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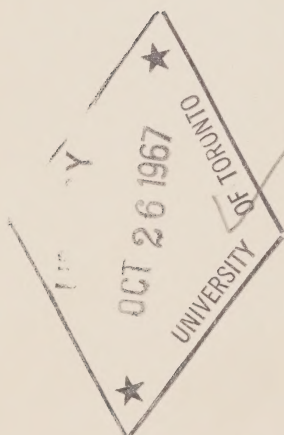
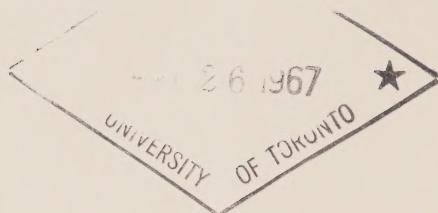







Hydro-Electric Power Commission of Ontario

# 66 ANNUAL REPORT









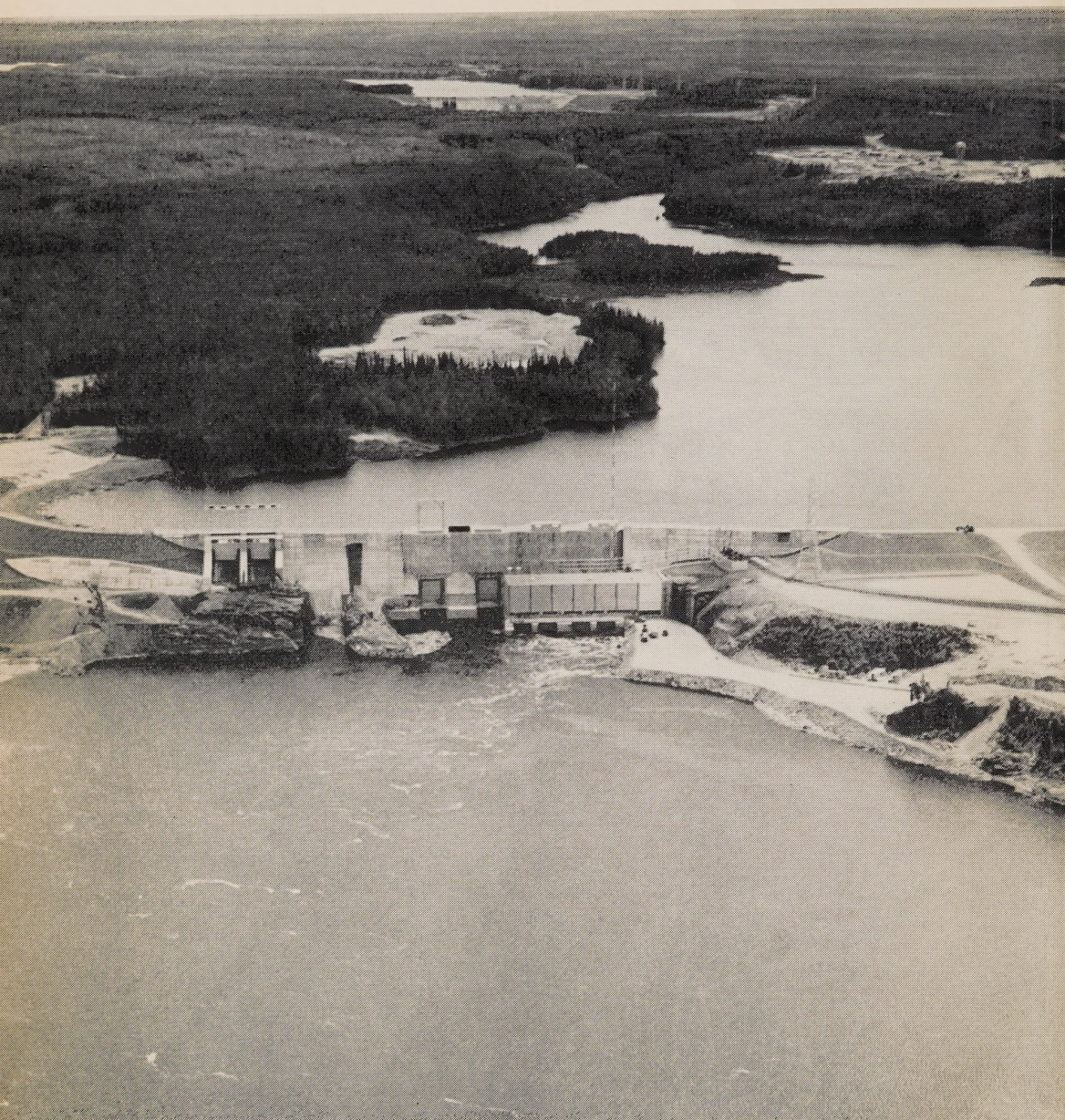
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**KIPLING GENERATING STATION — MATTAGAMI RIVER** — This station, where two 62,700-kilowatt units were placed in service early in the summer of 1966, is the third and final project in the Commission's current program for the development of the lower Mattagami River. Harmon Generating Station, about three miles up stream, can be seen towards the top centre of the photograph.



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# The Hydro-Electric Power Commission of Ontario

*Fifty-ninth*  
**Annual Report**  
*for the Year*  
**1966**

This Report is published pursuant to The Power Commission Act,  
Revised Statutes of Ontario, 1960, Chapter 300, Section 10.

# THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

---

GEORGE E. GATHERCOLE, LL.D.  
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D. P. CLIFF  
*1st Vice-Chairman*

ROBERT J. BOYER, M.P.P.  
*2nd Vice-Chairman*

LT.-COL. A. A. KENNEDY, D.S.O., E.D.  
*Commissioner*

IAN F. MCRAE, D.SC.  
*Commissioner*

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E. B. EASSON  
*Secretary*

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J. M. HAMBLEY, D.ENG, D.SC.  
*General Manager*

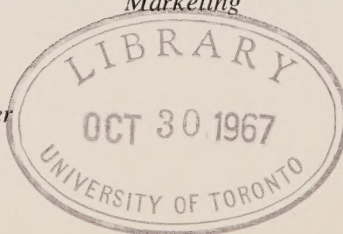
H. A. SMITH, M.B.E.  
*Chief Engineer*

E. H. BANKS  
*Assistant General Manager  
Finance*

D. J. GORDON  
*Assistant General Manager  
Marketing*

H. J. SISSONS, M.B.E.  
*Assistant General Manager  
Services*

C. B. C. SCOTT  
*Assistant General Manager  
Personnel*





## LETTER OF TRANSMITTAL

TORONTO, ONTARIO, MAY 11, 1967

THE HONOURABLE W. EARL ROWE, P.C.(C), LL.D., D.Sc. SOC.

*Lieutenant-Governor of Ontario*

SIR:

I have the honour to present the Annual Report of The Hydro-Electric Power Commission of Ontario for the year ended December 31, 1966.

The rapid economic expansion in Ontario was reflected and supported by an unprecedented increase in power requirements during 1966, when peak demands for the month of December exceeded the 1965 peak by 750,000 kilowatts. The increase in demand to a total of 8,565,465 kilowatts represents a growth of more than 9.5 per cent during the year.

The accelerated growth in power requirements, together with delays in achieving the in-service dates for new generating capacity and equipment, placed heavy strains on our physical resources for the supply of power, particularly during the December period of maximum demand. The margin of reserve of available resources fell on occasions to quite unsatisfactory levels. Nevertheless in spite of the high demands and delays in installing new capacity, our power commitments to all customers were fully met throughout the year.

Fortunately, no serious weather conditions developed. Indeed, two weather factors were distinctly favourable, generally moderate temperatures in December and heavy precipitation during the last two months of the year. There was also improvement in the levels of the Great Lakes. From a low at the beginning of November, the level of Lake Erie rose by about 9 inches before the end of the year, at which time it was 6 inches higher than the year-end average for the last decade. Lake Ontario was 9 inches above its 10-year average at the end of the year. In other parts of southern and northeastern Ontario, water storages were 25 per cent above normal.

Water storages in northwestern Ontario did not follow this general trend. At the end of 1966, they were 22 per cent below normal. In anticipation of rising requirements, the 100,000-kilowatt Thunder Bay thermal-electric station was made ready for operational service. It began generating power in November.

Under these generally favourable water conditions, the Commission's hydro-electric generating stations produced more than 33,659 million kilowatt-hours of electric energy in 1966, exceeding the 1965 hydro-electric production by 13.9 per cent. This increased production from our own hydro-electric stations was supplemented by larger purchases of economy power from Hydro-Quebec and other interconnected systems. It was possible, therefore, to meet a 9 per cent increase in energy demand and still achieve savings in fuel consumption at the Commission's thermal-electric stations, principally coal-burning, which were required to provide 3.5 per cent less energy than in 1965.

During 1966, the Commission's installed capacity was increased by 476,000 kilowatts. In view of the much larger growth in power requirements, the Commission sustained a further decline in its reserve capacity.

If we are to re-establish an acceptable reserve in relation to our requirements, and indeed to provide the more generous reserve margin normally required for the operation of the present larger and more complex generating units, we must accelerate our power development program considerably.

More than one million kilowatts of new capacity is scheduled to be placed in service in 1967 at Lakeview, Mountain Chute, and Douglas Point Generating Stations and in new oil-fired combustion-turbine units at various locations. This program, in conjunction with further plans for later years, will provide for more than doubling the Commission's present capacity in the next ten years, or duplicating in one decade what has been previously accomplished in more than 50 years. Of the 10 million kilowatts of additional generation that we expect will be required in the next ten years, more than 6,850,000 kilowatts were either under construction or approved for construction at the end of 1966. Of this total, 71 per cent will be in conventional thermal-electric, 19 per cent in nuclear-electric, and 7 per cent in hydro-electric generation, while the remaining 3 per cent will be in other installations, including oil-fired combustion turbines.



The first nuclear reaction at Douglas Point Nuclear Power Station in November was one of the more interesting and significant events of the year. The station delivered power to the East System for the first time in January 1967.

In April 1967 the Atomic Energy Control Board of Canada issued a permit enabling the Commission to install Units 3 and 4 at Pickering Generating Station, bringing the proposed capacity of the station to 2,160,000 kilowatts. The first two units at this station are scheduled to be in service by 1971, at which time the Commission's nuclear-electric resources will have an installed capacity of 1,280,000 kilowatts.

In anticipation of future needs for uranium concentrates as fuel for the nuclear-electric generating stations, a contract was placed with suppliers in 1966. It is based on the assumption that at least 500,000 kilowatts of nuclear-electric capacity will be brought into service each year between 1970 and 1980.

While nuclear power will assume an increasingly significant role as a source of low-cost electricity, conventional stations using fossil fuels will still occupy an important position in our plans for the immediate future. Under Ontario conditions the provision of energy at the lowest possible unit cost is dependent upon achieving a mix of the most economical combination of hydro, conventional thermal, and nuclear-electric generation.

To maintain a high standard of air-quality control, the Commission equips its coal-fired stations with the most modern and efficient devices available for the extraction of pollutants. At Richard L. Hearn Generating Station, built during the early stages of the thermal-electric generation program, large capital expenditures are being made to bring the electrostatic precipitators to a high standard. More than \$30 million will be invested in air pollution control equipment on stations under construction.

The Commission's revenues for 1966, amounting to \$336.4 million, exceeded the 1965 revenues of \$311.3 million by 8.1 per cent. A total of \$211.3 million was spent on capital construction during the year.

Effective January 1, 1966 the Commission introduced a revised method of allocating the cost of power to its partner municipal utilities, and its direct industrial and other customers. The new costing method was intensively reviewed by the Power Costing Committee of the Association of Municipal Electrical Utilities, and endorsed at the annual meeting of the Ontario Municipal Electrical Association and the Association of Municipal Electrical Utilities in March 1966. Reference to this matter is made in the Financial Statements and in the text of the Report in those sections dealing with Finance and the Commission's Customers.

In co-operation with the municipal electrical utilities, the Commission maintained a strong marketing program directed towards encouraging the development

of customer loads that make optimum use of generating equipment and power-supply facilities. A highly promising feature of that program in 1966 was the development of an Electrical Modernization Plan under which loans will be made available to home owners who choose to install improved wiring, built-in appliances, and electric heating and cooling systems. An important objective of this plan — one that has implications for the whole industry — is the upgrading of the safety and security of home electrical service. It has been estimated that over a million homes in the province have wiring inadequate for the supply of modern electrical appliances.

Once again I acknowledge with sincere appreciation the part played by the municipal electrical utilities and the OMEA and AMEU. I wish also to acknowledge the support rendered by my fellow Commissioners, the senior officers of the Commission, and the entire staff.

Respectfully submitted,

GEORGE E. GATHERCOLE,  
*Chairman.*





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FIFTY-NINTH ANNUAL REPORT  
OF  
**The Hydro-Electric Power Commission  
of Ontario**

---

**FOREWORD**

**T**HE Hydro-Electric Power Commission of Ontario is a corporate entity, a self-sustaining public enterprise endowed with broad powers with respect to electricity supply throughout the Province of Ontario. Its authority is derived from an Act of the Provincial Legislature passed in 1906 to give effect to recommendations of earlier advisory commissions that the water powers of Ontario should be conserved and developed for the benefit of the people of the Province. It now operates under The Power Commission Act (7-Edward VII, c. 19) passed in 1907 as an amplification of the Act of 1906 and subsequently modified from time to time (Revised Statutes of Ontario, 1960, c. 300, as amended). The Commission may have from three to six members, all of whom are appointed by the Lieutenant-Governor in Council. Two Commissioners may be members of the Executive Council of the Province of Ontario.

**The Power Supply**

Power is provided through the facilities of two operating systems, the East System and the West System, which, though not physically interconnected, are administered as a unit on behalf of the nearly 360 co-operating municipalities, and other Commission customers.

The East System comprises six regions — Western, Niagara, Central, Georgian Bay, Eastern, and Northeastern — while the West System comprises only the



OPENING OF THE MATTAGAMI RIVER GENERATING STATIONS — Mr. G. E. Gathercole, Chairman of the Commission, is shown addressing the gathering at the official opening of the three hydro-electric stations recently constructed on the Mattagami River in northern Ontario. These are Little Long, Harmon and Kipling Generating Stations, situated in that order down stream, and placed in service in 1963, 1965, and 1966, respectively.

Northwestern Region. The dividing line between the two systems is roughly the boundary between the Thunder Bay District and the Districts of Algoma and Cochrane. The Commission maintains offices in seven suitably located cities for the purpose of providing local administration within the seven regions.

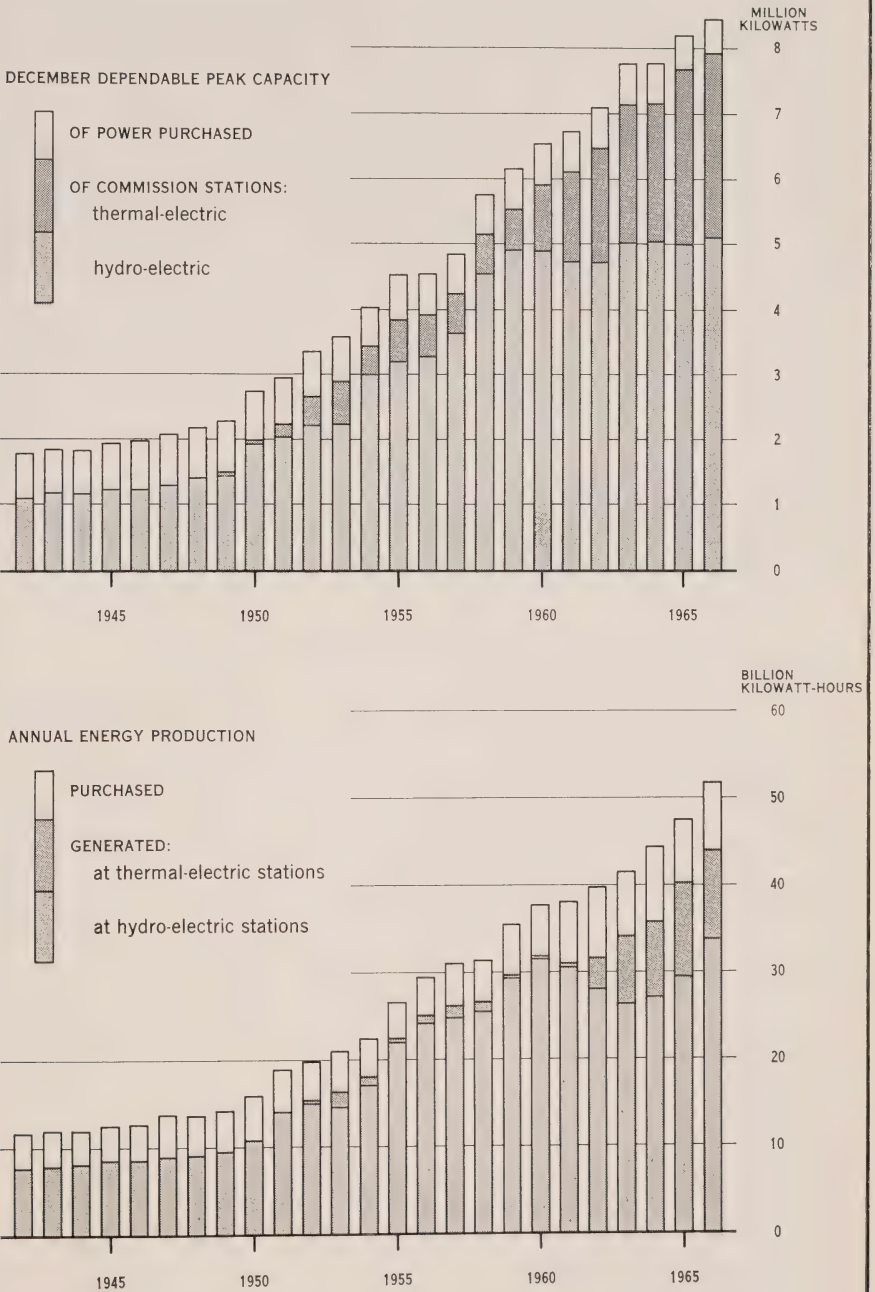
The Commission is primarily concerned with the provision of electric power by generation or purchase, and its delivery in bulk either for resale, chiefly by the associated municipal utilities, or for use by certain direct customers, for the most part industrial. This primary aspect of operations accounts for more than 90 per cent of the Commission's energy sales. The remaining sales are made to retail customers either in rural areas or in certain communities not served by municipal electrical utilities. Apart from this particular operation by the Commission, retail service throughout the province is generally provided by the associated municipal electrical utilities, which are owned and operated by local commissions functioning under the general supervision of The Hydro-Electric Power Commission of Ontario as provided for in The Power Commission Act and The Public Utilities Act. Under this legislation, the Commission, in addition to supplying power, is required to exercise certain regulatory functions with respect to the municipal utilities served.

### Financial Features

The basic principle governing the financial operations of the Commission and its associated municipal electrical utilities is that service is provided at cost. In

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TOTAL POWER RESOURCES AND ENERGY PRODUCTION





the Commission's operations, cost of service includes payment for power purchased, charges for operation, maintenance, and administration, and related fixed charges. The fixed charges represent interest, an allowance for depreciation, and a provision for debt retirement. The municipal utilities operating under cost contracts with the Commission are billed throughout the year at interim rates based on estimates of the cost of service. At the end of the year, when the actual cost of service is established, the necessary balancing adjustments are made in their accounts. Retail rates for the municipal utilities are established at levels calculated to produce revenue adequate to meet cost.

The enterprise from its inception has been self-sustaining. The Province, however, guarantees the payment of principal and interest on all bonds issued by the Commission and held by the public. In addition, the Province has materially assisted the development of agriculture by contributing under The Rural Hydro-Electric Distribution Act toward the capital cost of extending rural distribution facilities.

Annual Summary

Revenue from the sale of primary power and energy in 1966 amounted to \$336.4 million as compared with \$311.3 million in 1965. Revenue from the sale of secondary energy amounting to \$2.6 million was applied as an offset to the cost of primary power. The cost of primary power allocated to customers was \$336.9 million after the net provision of \$9.7 million to the reserve for stabilization of rates and contingencies. In 1965 the cost allocated was \$310.8 million after a net withdrawal from the same reserve of \$2.0 million.

Statistical

	1957
Dependable peak capacity, December.....	thousand kw 4,844
Primary power requirements, December.....	thousand kw 4,784
Annual energy generated and purchased.....	million kwh 31,101
Primary.....	million kwh 27,405
Secondary.....	million kwh 3,696
Annual energy sold by the Commission.....	million kwh 28,288
Annual revenue of the Commission (net after refunds).....	million \$ 197
Fixed assets at cost.....	million \$ 1,931
Gross expenditure on fixed assets in year.....	million \$ 209
Total assets, less accumulated depreciation.....	million \$ 2,255
Long-term liabilities and notes payable.....	million \$ 1,573
Transmission line.....	circuit miles 16,717
Primary rural distribution line.....	circuit miles 45,375
Average number of employees in year.....	19,597
Number of associated municipal electrical utilities.....	351
Ultimate customers served by the Commission and municipal utilities.....	thousands 1,674

Kipling Generating Station was placed in service in June 1966. It is the last of three stations on the Lower Mattagami River, all built since 1963.

A fifth unit at Lakeview Generating Station, though in service during 1966, was operated at less than its rated capacity. Since it was still subject to commissioning tests, it was not included in the Commission's dependable peak resources for 1966. A nuclear reaction was achieved at the Douglas Point Nuclear Power Station in November 1966, when the station was operated at a low level. First power was delivered by this station to the East System only after the end of the year.

The major focus of construction activity has already begun to shift gradually from Lakeview Generating Station, where the last three units are scheduled for service in 1967 and 1968, to Lambton Generating Station near Sarnia and to Pickering Generating Station, the large nuclear-electric development just east of Toronto. A decision was taken in 1966 to proceed also with a 2,000,000-kilowatt thermal-electric station at Nanticoke on Lake Erie, about 8 miles east of Port Dover. Lambton, Pickering and Nanticoke Generating Stations at the end of 1966 were scheduled to provide 5,080,000 kilowatts of installed capacity in the years following 1968.

The Commission also decided in 1966 to develop a hydraulic site at Aubrey Falls on the Mississagi River as part of its long-range continuing program to bring new hydro-electric resources into service as they become economically feasible.

### Summary 1957-66

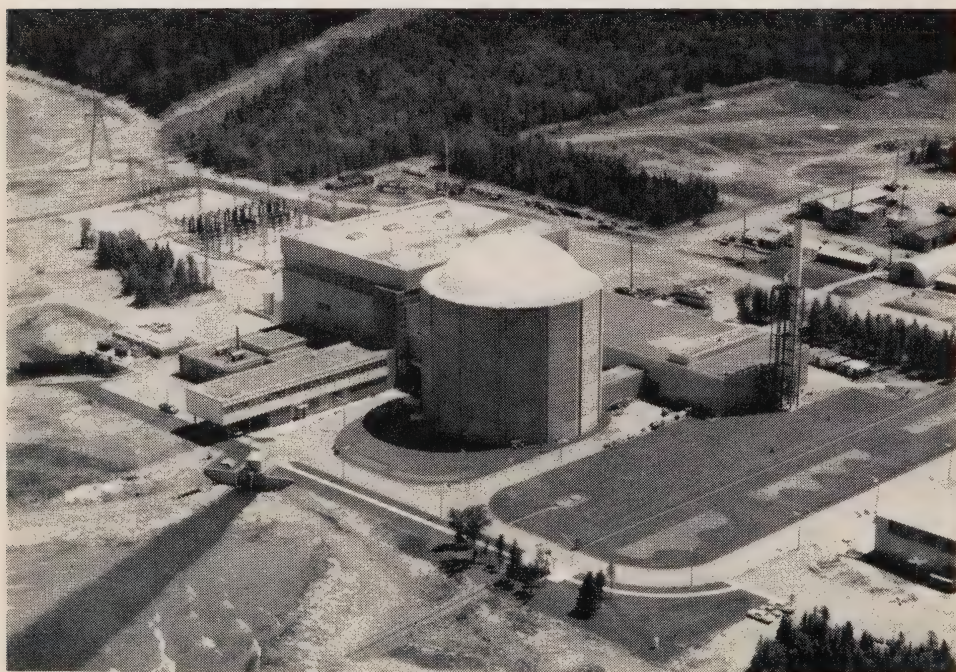
1958	1959	1960	1961	1962	1963	1964	1965	1966
5,761	6,155	6,526	6,734	7,088	7,756	7,776	8,199	8,464
5,139	5,556	5,746	5,949	6,293	6,797	7,210	7,818	8,565
31,450	35,465	37,709	38,212	39,885	41,471	44,399	47,528	51,753
28,382	31,546	32,717	33,861	35,783	37,644	40,632	43,584	48,056
3,068	3,919	4,992	4,351	4,102	3,827	3,767	3,944	3,697
28,599	32,073	34,317	34,807	36,684	38,466	41,115	44,213	47,944
198	213	229	236	249	270	289	311	336
2,108	2,248	2,361	2,462	2,567	2,665	2,762	2,894	3,125
191	154	132	124	114	108	110	150	211
2,421	2,548	2,660	2,780	2,702	2,753	2,824	2,987	3,190
1,692	1,786	1,844	1,918	1,938	1,959	1,999	2,106	2,237
17,499	17,713	17,831	17,971	18,120	18,642	18,826	19,050	19,342
46,438	47,351	47,896	48,068	48,562	48,993	49,173	49,435	49,863
17,701	15,866	15,179	15,097	14,920	14,387	14,531	14,996	15,361
354	354	354	354	355	355	357	360	358
1,757	1,830	1,881	1,939	1,991	2,042	2,096	2,142	2,188

Extensions of the present stations at Barrett Chute and Stewartville on the Madawaska River are already under way, while construction is well advanced at Mountain Chute on the same river.

The entire extra-high-voltage line from Pinard Transformer Station to Kleinburg Transformer Station was in service by the end of 1966, the 228-mile northern section as far as Sudbury at 500 kv, and the southern section for the present at 230 kv. Preliminary work is now under way for additional 230-kv facilities, which will eventually provide an interconnection between the East and West Systems across the 300-mile gap from George W. Rayner Generating Station to Marathon.

## GUIDE TO THE REPORT

Details of the Commission's activities which have been briefly summarized in the foregoing paragraphs are given in the six sections and four appendices of the Report which follow. Operations, finance, and customer relations are the subjects of the first three sections and their related appendices. The narrative in



DOUGLAS POINT NUCLEAR POWER STATION — This 200,000-kilowatt generating station on the shore of Lake Huron between Kincardine and Port Elgin is a co-operative project of Ontario Hydro and Atomic Energy of Canada Limited. Construction was largely completed by the end of 1965 and a critical reaction in the CANDU reactor was achieved for the first time on November 15, 1966. Heat output was then gradually increased during extensive tests of reactor performance until, on January 7, 1967, sufficient steam was produced to turn the turbine and generate electricity for the first time.



Section I dealing with the production, purchase, and delivery of power is supplemented in the text by reports of weather conditions, maintenance, communications, and forestry, all of which are related to operations. Supplementary tables are in Appendix I. Section II includes the Commission's Balance Sheet, Statement of Operations, and certain supporting statements of general interest. In Appendix II are other supporting schedules and accounts, including the statements of municipal sinking fund equities and of the allocation of the cost of primary power to municipalities. In Section III, consideration is given to various aspects of marketing and of service to the three main groups of the Commission's customers. Supplementary information on rural services is to be found in Appendix III. Another subsection of Section III, in the form of reports from the regions, deals with certain activities relative to service in municipal utilities. Many of these activities have involved participation by, or the assistance of, members of the Commission's staff.

Engineering, construction, and research activities are discussed in Sections IV and V. Section IV deals with the planning and construction of power facilities. It includes descriptions of the more important construction projects and statistics relative to these and other facilities for the generation, transformation, and delivery of power. Section V contains reports on the progress of some of the tests and investigations being conducted by members of the Commission's Research Division.

Section VI deals with aspects of employee relations, training, and staff administration.

A large part of the Report is devoted to aspects of retail service to ultimate customers, especially that provided by the municipal electrical utilities. The commentary on these activities and the statistical tables applicable to them are brought together in a supplement to the Report entitled *Municipal Electrical Service* beginning on page 155.

# SECTION I

## OPERATION OF THE SYSTEMS

**D**EMANDS for electricity continued to grow strongly in Ontario during 1966. In December, demands for primary power in the East and West Systems reached annual peaks which totalled 8,565,465 kilowatts—a figure which was 9.6 per cent greater than the comparable figure for 1965, and which for the second successive year indicated annual growth well above the long-term rate. Total primary energy demand during the year was approximately 48.1 billion kilowatt-hours, 10.3 per cent greater than the comparable figure for 1965.

The total dependable peak capacity of the Commission's resources of generated and purchased power increased from 8,199,150 kilowatts in December 1965 to 8,463,650 kilowatts in December 1966. The chief sources of this increase were two hydro-electric units at the new Kipling Generating Station on the Mattagami River, and four combustion-turbine generators installed at two transformer stations. In addition, the capacity of Units 3 and 4 at Lakeview Generating Station was raised following modification of the blading of the turbines.

The new method of calculating the total dependable capacity of hydraulic resources, described in the 1965 Report as applied in the East System, was extended in 1966 to cover West System resources as well. The new procedure takes into account the effect of diversity in stream-flow conditions among the various watersheds. For each system, it provides a combined coincident output for all hydro-electric resources in service which an analysis of records of stream flows indicates

will be equalled or exceeded 98 per cent of the time in December, when annual peak power demands usually occur.

Equipment in service on the East System generally functioned smoothly at the time of the 1966 annual peak demand—5.25 p.m. on December 19. The extra-high-voltage transmission line, with its northern section operating at 500 kv, and its southern section operating at 230 kv, carried power from the new complex of hydro-electric stations in the James Bay watershed more than 400 miles southward to the vicinity of Metropolitan Toronto. The fifth unit at Lakeview Generating Station, then undergoing commissioning, produced about 30,000 kilowatts. The Nuclear Power Demonstration plant produced about 21,000 kilowatts, and the new combustion-turbine units, intended specifically for use on such an occasion, produced about 138,000 kilowatts.

**POWER SUPPLY STATISTICS — 1966**  
(Figures for 1965 and Per Cent Change in *Italic Type*)

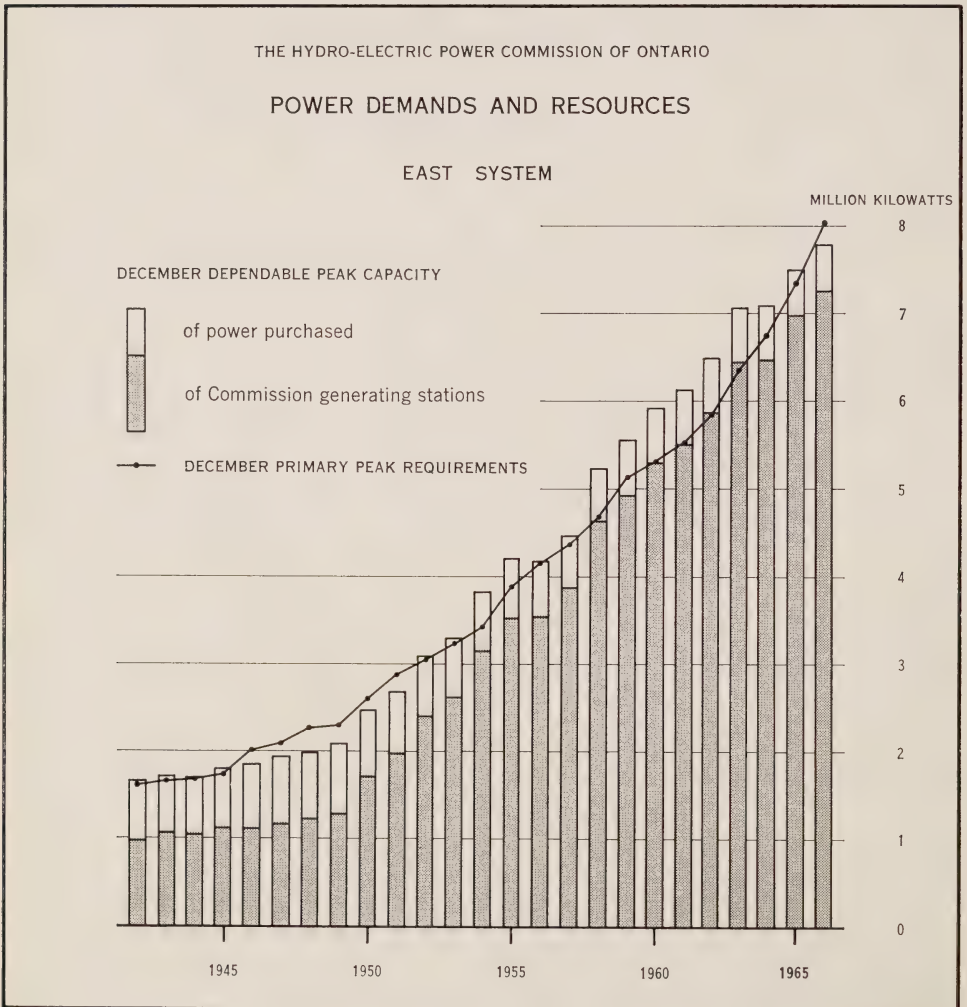
		East System	West System	Total
<b>Resources</b>				
Dependable peak capacity				
December	kw	7,784,850	678,800	8,463,650
	kw	<i>7,512,650</i>	<i>686,500</i>	<i>8,199,150</i>
		3.6%	—1.1%	3.2%
<b>Requirements</b>				
PRIMARY				
Peak—Annual maximum	kw	8,028,055	537,410	8,565,465*
	kw	<i>7,344,331</i>	<i>476,920</i>	<i>7,818,411*</i>
		9.3%	12.7%	9.6%
Energy—Total annual	kwh	44,462,493,025	3,593,498,424	48,055,991,449
	kwh	<i>40,471,751,780</i>	<i>3,112,397,539</i>	<i>43,584,149,319</i>
		9.9%	15.5%	10.3%
<b>Loads</b>				
PRIMARY AND SECONDARY				
Energy—Total annual	kwh	47,581,513,323	4,171,418,529	51,752,931,852
	kwh	<i>43,523,514,455</i>	<i>4,004,220,016</i>	<i>47,527,734,471</i>
		9.3%	4.2%	8.9%
PRIMARY ONLY				
Energy—For use in Ontario	kwh	44,460,885,985	3,593,178,724	48,054,064,709
	kwh	<i>40,399,362,297</i>	<i>3,112,397,539</i>	<i>43,511,759,836</i>
		10.1%	15.4%	10.4%
Total annual	kwh	44,462,493,025	3,593,178,724	48,055,671,749
	kwh	<i>40,471,751,780</i>	<i>3,112,397,539</i>	<i>43,584,149,319</i>
		9.9%	15.4%	10.3%

\*These annual maxima are the arithmetic sum of the December coincident peaks for each system.



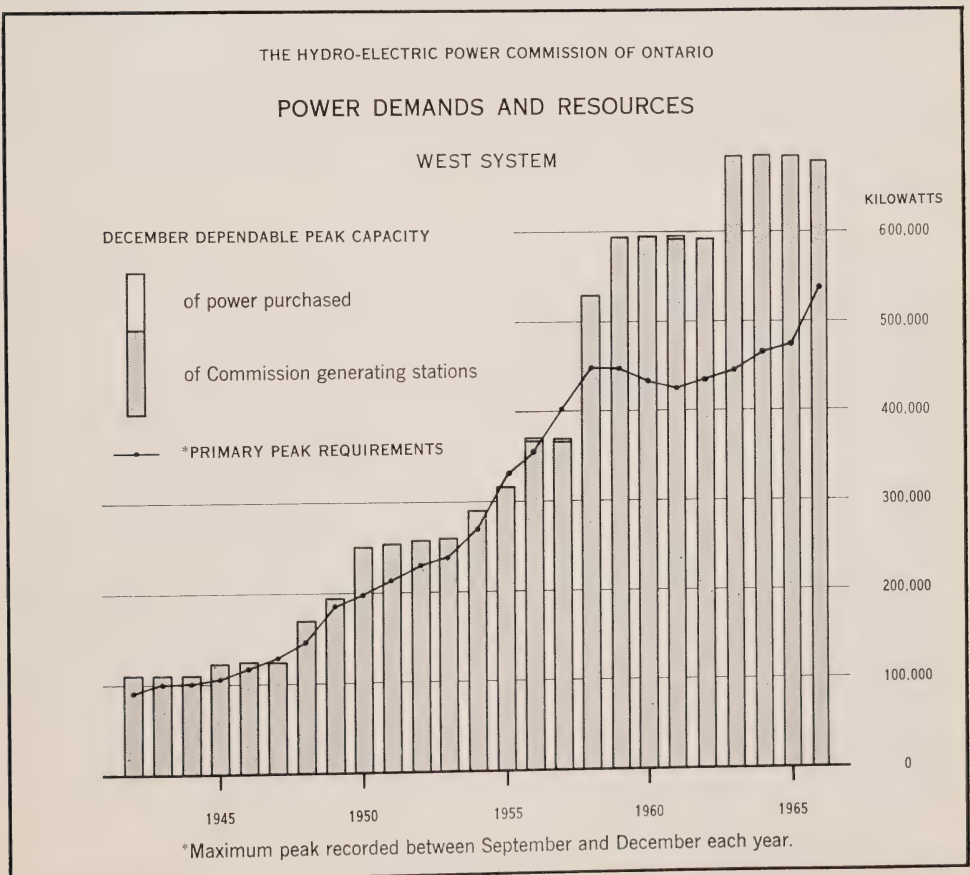
The Commission supplemented the output of its own hydro-electric and thermal-electric resources by substantial purchases of power from other suppliers. In addition to power purchased under firm contract, these purchases included power that was surplus to the suppliers' needs, as well as a considerable amount of power obtained from Quebec and the State of Michigan specifically to meet peak requirements. The Commission was able, with this assistance, to carry a primary peak load of 7,851,000 kilowatts on its East System. In order, however, to maintain an acceptable margin of reserve at the time of the peak demand, the loads of certain industrial customers were cut, as permitted under the terms of their interruptible-power contracts, to the extent of 177,000 kilowatts.

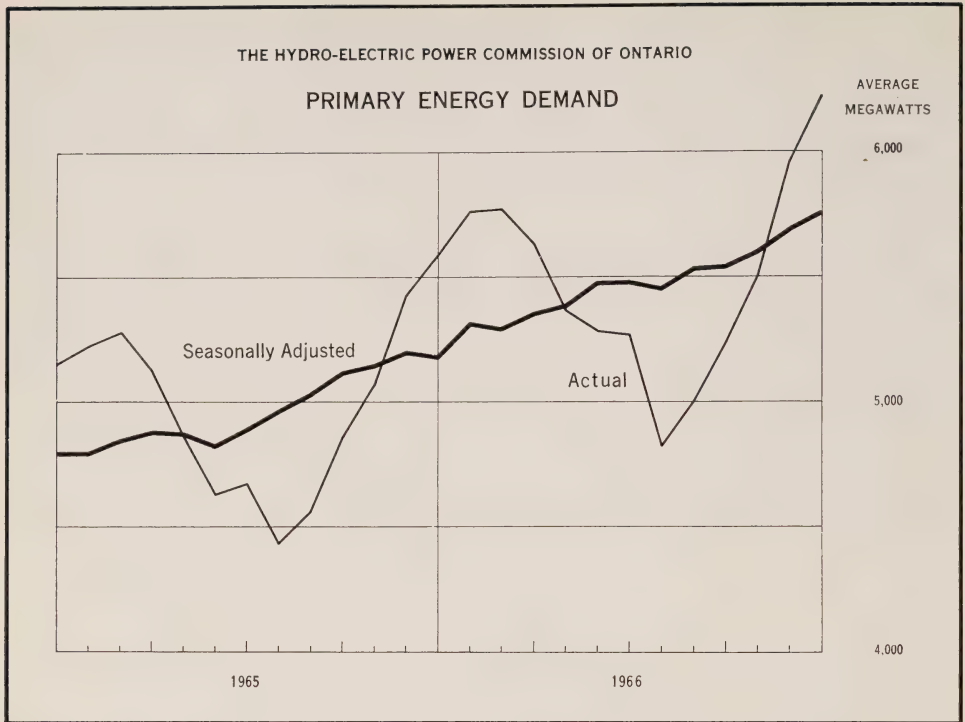
In the West System, power demands grew even more rapidly than in the East System. The annual primary peak demand was 537,410 kilowatts, 12.7 per cent



greater than the 1965 peak. In order to provide for forecast system requirements with an adequate margin of reserve capacity, Thunder Bay Generating Station at Fort William was made ready for operation towards the end of the year. The 100,000-kilowatt thermal-electric station had been consigned to a state of semi-readiness in July 1963, when commissioning was completed, because load growth had not been as rapid as expected and the station was not required at that time to meet system loads.

The total amount of energy generated and purchased by the Commission during 1966 was approximately 51.8 billion kilowatt-hours, 8.9 per cent more than in 1965. The components of the total which were provided by the Commission's hydro-electric and thermal-electric stations, and from resources of purchased energy are shown in a table on page 102. Reflecting the general improvement in stream flows in the East System, the total hydro-electric component increased from the 1965 level by approximately 13.9 per cent. The total purchased-energy component increased by approximately 6.7 per cent from the 1965 level, while the total thermal-electric component declined by 3.5 per cent.





**COMBINED SYSTEMS ENERGY DEMAND SEASONALLY ADJUSTED** — The heavy black seasonally adjusted curve is a more readily interpreted and continuous indication of variation in the rate of growth than the actual curve, since the former is freed of the fluctuations associated with regularly recurring seasonal patterns. The rate of growth established in the second half of 1965 continued well into 1966. The effect of major industrial strikes was reflected in a levelling off until late summer, when the earlier rate of growth was resumed.

The decline in the thermal-electric component is attributed in part to the improvement in hydro-electric resources, and in part to the greater availability in 1966 of power from neighbouring systems. Purchases of thermal-displacement energy—energy which the Commission could, if necessary, have generated with its thermal-electric units but at higher cost—were substantially greater in 1966 than in 1965. If these purchases had not been made in either year, the total requirement for thermal-electric generation would have involved the consumption of about 4,275,000 tons of coal in 1966, 3.9 per cent more than in 1965. Actual consumption of coal in 1966 was 3,858,000 tons.

The increase in the purchased component reflects largely the improved position of suppliers in the Province of Quebec who with higher stream flows were better able to meet contractual commitments and to supply energy in excess of these commitments. On November 1, 1966, the Quebec Hydro-Electric Commission exercised its right to retain for use in the Province of Quebec the power previously supplied to Ontario Hydro by the Ottawa Valley Power Company. As provided for in an agreement between the Ontario and Quebec Commissions, the contractual delivery from the Quebec Commission's Beauharnois Generating Station was reduced by an amount equivalent to the Company's share of the output from Chats



Falls Generating Station, and all of the power from the Ottawa River station was permitted to continue to flow into the Ontario Commission's system. The quite favourable stream flows in Quebec at the time, however, permitted the Quebec Commission to offset this reduction in energy supplied under contract through the provision of surplus energy.

### Stream-Flow and Storage Conditions

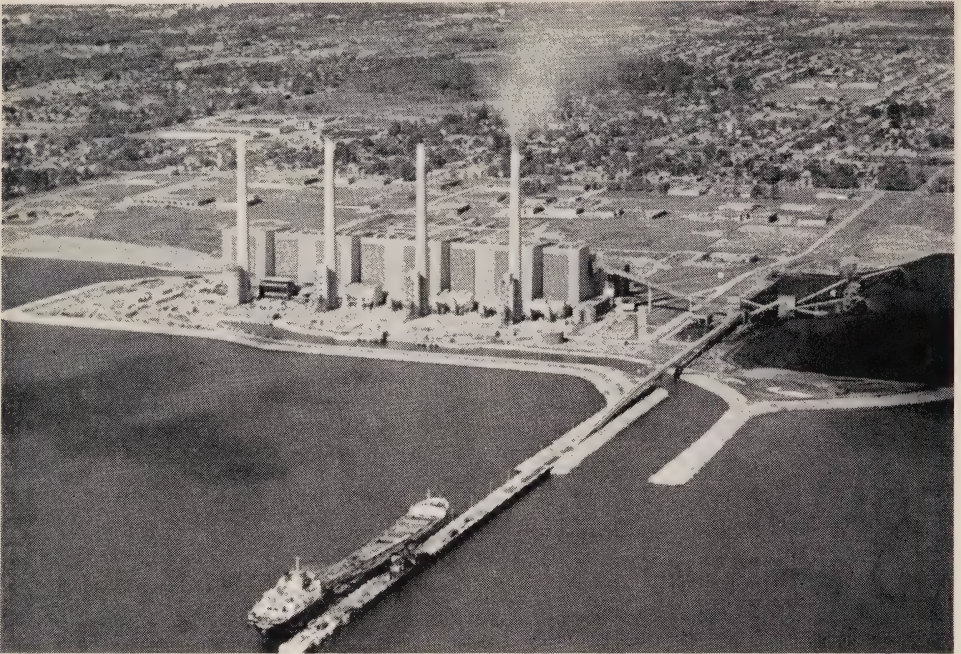
Hydrological conditions were generally good in the East System throughout most of 1966. Very dry weather did prevail during the second half of June and most of July, and again during September, but the effects of this weather on stream flows and storage levels were offset by the effects of unusually heavy precipitation late in the year. At the end of 1966, the total volume of usable water stored in inland reservoirs was 31 per cent above normal.

The levels of Lake Erie and Lake Ontario also improved, and the flows of the Niagara and St. Lawrence Rivers were generally better than they were in 1965. The 1966 annual mean flows of both of these rivers were about the same as the averages for the past ten years. The 1966 annual mean flow of the Abitibi River and that of the Ottawa River measured at Chats Falls, were, respectively, 10.1 per cent and 29.9 per cent above the averages for the past ten years.

The operation of the Lake Erie ice boom at the entrance to the Niagara River continued to have satisfactory results in reducing the incidence of ice jams in the river, with consequent improvement in the amount of water usable for power generation. In January 1964, before the boom was installed, only 71 per cent of the water available was used for power generation, and in February 82 per cent.



Approximately 133,00 tons of coal were delivered to Thunder Bay Generating Station at Fort William in the fall of 1966, making it fully operational to meet requirements indicated by rapidly increasing loads on the West System.



**LAKEVIEW GENERATING STATION** — The powerhouse structure, shown here virtually complete, for this coal-fired thermal-electric station on the shore of Lake Ontario just west of Metropolitan Toronto will ultimately house eight 300,000-kilowatt generating units. At the end of 1966, the fifth unit was producing power while undergoing commissioning tests, and installation of the sixth and seventh units was well advanced.

With the boom in place the following year, these percentages were increased respectively to 95 and 99 per cent, and in 1966 to 96 and 100 per cent.

The Niagara Board of Control approved, on a trial basis commencing August 7, 1966, a new method proposed by the Commission and the Power Authority of the State of New York for determining the levels that should be maintained in the Chippawa-Grass Island Pool of the Niagara River through the use of the Control Structure. The new method, which involves a simpler and more accurate means of calculating the Niagara River flow, and hence proper Pool levels, is expected to provide improved operational effectiveness at the Control Structure.

In the West System, favourable storage conditions prevailed during the early months of the year, and at the end of March snow cover and the equivalent water content were generally above normal throughout the system. Freshet began late in April, was retarded for a few weeks by a return of cold weather early in May, and then continued in most watersheds until late in June. Above normal run-off during the late spring and early summer made it necessary at times to spill considerable amounts of water in order to keep the levels of Lake Nipigon and several other large lakes used as reservoirs from exceeding the maximum allowable elevations. During the autumn, however, the weather was very dry, and the total volume of usable water in storage declined rapidly to 22 per cent below normal at the end of the year.



## **MAINTENANCE OF THE SYSTEMS**

### **Mechanical Maintenance**

The discovery of damaged blades in the first intermediate pressure rotor of the 200,000-kw Unit 6 at Richard L. Hearn Generating Station led to the inspection of the three other units of the same capacity and manufacture at this station. The condition was common in the first intermediate pressure rotor of all units in varying degrees, and the condition of Unit 8 indicated that failure was imminent. Beginning in May, the necessary reblading was carried out on Units 6, 7, and 8, with Unit 5 to be completed in 1967. When the first intermediate pressure rotors of Units 1 and 2 at Lakeview Generating Station were examined, there was no evidence of development of the same condition, but there was blading shroud damage on the first and second rows of both rotors. These units were returned to service after temporary repairs, but replacement of the blading was planned to take place in 1967.

A number of water-wall tube sections in the burner zone of the side furnace walls of Units 1 and 2 at Lakeview Generating Station were replaced following extensive ultrasonic thickness testing which revealed on-load corrosion of the tube inside surfaces. The water circuits of both boilers were acid cleaned as part of the program initiated in 1964, and changes were subsequently made in the boiler-water conditioning. The occurrence of an excessive number of failures in the primary superheater tubes of the No. 1 boiler led to the replacement of the outer tube bends of the lower two banks.

During 1966, all units at Robert H. Saunders-St. Lawrence, DeCew Falls, and Otto Holden Generating Stations were equipped with alarms which indicate in the control room when any breakage of a shear pin occurs. Similar alarm systems are being installed at other stations susceptible to shear pin breakage.

In order to reduce maintenance costs, automatic turbine-lubrication equipment was installed at Des Joachims Generating Station and was being installed at the Sir Adam Beck-Niagara Generating Stations at the end of the year. Similar equipment is on order for Aguasabon, Otto Holden, and Abitibi Canyon Generating Stations.

The remedial work on the Cornwall dike at Robert H. Saunders-St. Lawrence Generating Station described in the 1965 Report was completed in 1966. Approximately 52,000 tons of protective rock were placed on the upstream slope along about 2.5 miles of its 3.5-mile length.

### **Electrical Maintenance**

The procedure of commissioning power apparatus in stations on the extra-high-voltage network has led to the modification of former practices and the development of new techniques to facilitate maintenance on 500-kv facilities. Particular



attention was given to the conditioning of insulation and oil where transformers and reactors were being erected in the field.

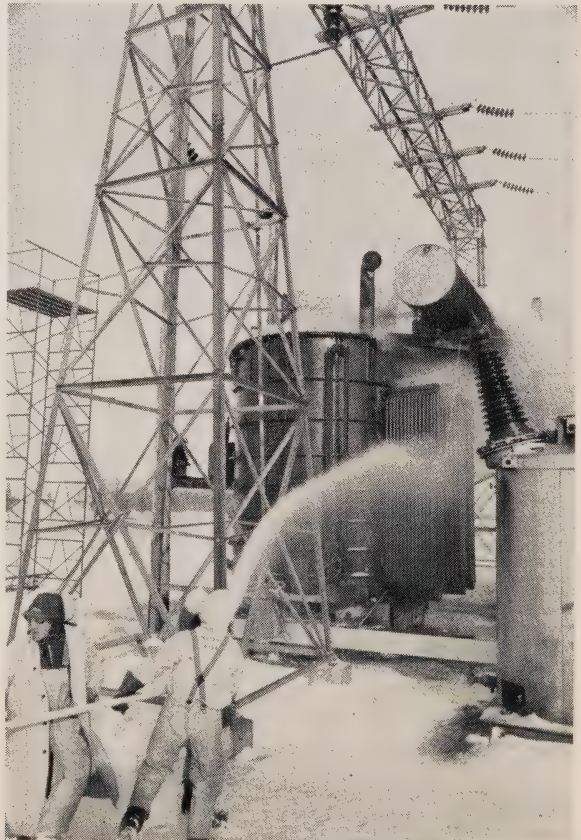
Two stators on large hydro-electric units were rewound, one on a unit at Kakabeka Falls that has been in service since 1914, and the other on a 25-cycle unit at Sir Adam Beck-Niagara Generating Station No. 1, originally placed in service in 1922. Complete field re-insulation of this latter unit was also carried out.

When some high-voltage bushings showed a tendency to accelerated deterioration, a special field-testing program was introduced for the purpose of disclosing the bushings so affected and establishing the priority of the replacement program.

Tests were conducted on a number of stations for the purpose of evaluating the effectiveness of fire-detection equipment. These tests, in conjunction with others carried out under simulated conditions with the assistance of the Commission's Research Division, will be used in the future as guides for the installation and maintenance of this type of equipment throughout the systems.

**TRANSFORMER FIRE TESTS** — Some modern trends, such as those toward the use of larger transformers, more compact station arrangements, and operation by remote control, may be contributing to increases in the risks of fire at transformer stations. For this reason, the Commission recently reviewed its fire protection policies as applied to transformer stations and decided to conduct full-scale fire tests.

Using obsolete equipment in a test station established at the site of the Pickering Generating Station project, four tests were conducted during 1966 under varying weather conditions. The tests provided indications of the added protection or increased hazard offered by certain arrangements of station equipment and materials, and of the relative effectiveness of various fire-extinguishing techniques. The results are expected to be of significant value to design and operations personnel in efforts to reduce fire risks at transformer stations.



## Line Maintenance

Efficient methods and equipment were developed for bare-hand work in live-line maintenance on 500-kv lines. The program of work culminated in early November in a demonstration for the benefit of visitors from other utilities, at which some of the most efficient means were shown for ensuring maintenance of all components on the extra - high - voltage line without interruption to service.

The Commission's staff worked closely with the manufacturer in developing a power-operated cable car that will traverse the transmission lines for the purpose of line inspection, and for the addition or replacement of torsional dampers. The cars ultimately purchased and placed in service in mid 1966 are 850 pounds in weight when loaded. Powered by a 7-horsepower gas-line engine, they will travel at up to four miles per hour. The wheel arrangement on the cars will permit them to clear the transmission tower suspension as they move from span to span. They were used chiefly on 230-kv lines, where they reduced by 50 per cent the time required for work in the addition or replacement of dampers. A car for use on the extra - high - voltage line was also purchased.

During 1966, a four-year program was begun using tension-stringing techniques for the replacement of ground cables on the three transmission lines built nearly forty years ago to bring power from the Province of Quebec to the Toronto area. Replacement under tension was possible despite the seriously deteriorated condition of the original ground cable, and this has considerably facilitated the operation.



**CABLE CARS FOR LIVE-LINE WORK** — These cable cars were introduced in 1966 for use in work on live transmission lines, such as the inspection, replacement, or installation of vibration dampers. They are shown in use on the 230-kv line between London and Sarnia, where they enabled linemen to complete a program of vibration-damper installation and replacement in about half the time that would otherwise have been required.



First there is no need, as with normal stringing methods, to install rider poles or slings to prevent the ground wire from sagging at points where the circuit crosses roads, railways, or other power and communication lines. The tension-stringing equipment can be conveniently located on roads at approximately 10-mile intervals. Linemen are transported from tower to tower by helicopter, and are lifted from one tower and lowered from the helicopter to the next tower by a winch. There is no need for ground equipment to traverse the right of way.

The application of higher electrical test voltage to 115-kv cables was introduced for the purpose of discovering any weakness that might lead to the failure of the cables in service. This will disclose incipient faults and prevent them from occurring in service. If all components stand up satisfactorily under test at a direct-current voltage of 600 kilovolts, there is reasonable certainty that the cable will function well in service. If defective components are discovered, provision can be made for their replacement under planned, rather than emergency conditions.

On routine and special patrols of transmission line, the Commission's helicopters inspected approximately 171,500 circuit miles of transmission line. They



By carrying linemen from the top of one transmission tower to another, this helicopter is facilitating an extensive program for the replacement of ground cable on old transmission lines. More conventional methods, which are still used for this work in windy weather, require linemen to climb each tower four times.



were also used for survey work, particularly in the interconnection planned between the East and West Systems. The Sikorsky machine was used in the installation of 180 poles on a 10-mile, 7,200-volt line through inaccessible terrain in the Georgian Bay Region, and also for replacement of the ground wire on 230-kv circuits in the Eastern and Central Regions.

A Bell Jet Ranger was ordered at the end of the year for use in extensive line construction planned for the next four years.

### Forestry

Forestry work for the pruning or removal of trees was carried out along more than 19,000 miles of transmission and rural-distribution lines during 1966. Approximately 12,000 trees blighted by elm disease were removed.

During the year, performance testing was carried out on a mobile unit equipped with a 45-foot aerial bucket device and with a built-in chipper and a dump body. The equipment was acquired in order to test its feasibility in forestry line-clearing operations. It will be used in several locations, especially for the evaluation of the performance of its somewhat higher aerial device and the built-in chipper.



**OFF-ROAD VEHICLE UNDER TEST** — A number of vehicles of this type are used in forestry and line construction and maintenance work. Their articulated chassis and large rubber tires make them suitable for use in rough and varied terrain throughout the year. This particular vehicle, shown under test in forestry work, has a 32-foot aerial bucket device and a built-in chipper for disposing of pruned branches.

The use of the hydraulic spray boom, introduced in 1965, was more widely extended during 1966. Its roadside spraying capability is estimated at over four times that of earlier techniques employing the hydraulic sprayer hose and gun. Experiments were continued with the herbicide Tordon, originally tested in 1964. It offers considerable promise not only as a regular stem foliage spray, but also as an aerial spray applied by helicopters. Some test-plot work was done with pelletized Tordon in order to assess its feasibility for use in locations where the brush growth is widely scattered.

Other experimental helicopter operations during 1966 sought to establish what advantage there might be in the use of a larger helicopter in the application of herbicide in greater volume, or in the use of thickened herbicide while flying at greater speed.

In total 36,100 trees were planted during the year, the large majority in the Eastern Region.

### **Protection and Control**

The protective arrangements, particularly those on the 230-kv network, have been extensively re-examined with a view to obtaining both higher speed in operation and greater security for the system. Modifications to protection equipment are now being introduced at most major terminal stations. Speed in the operation of relays has become a critical problem with the requirement for reduction in the time needed for clearing faults. Protective equipment was modified at a number of major terminal stations.

The Commission now operates more than 200 fixed radio stations and over 1,050 radio-equipped vehicles in its construction and maintenance activities. Radio interference between trucks in adjoining administrative areas is therefore becoming increasingly a problem. The difficulty can be overcome only by applying different frequencies to trucks in adjoining areas, and new solid-state radios with narrower operating bands are now being purchased with facilities for operating on four separate frequencies.

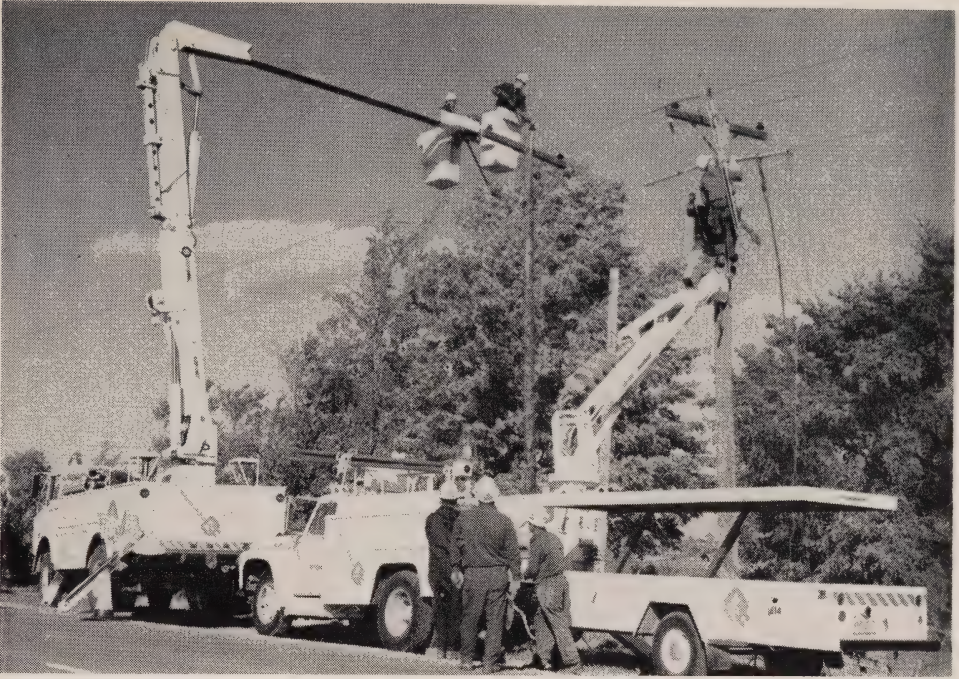
Communication between the East and West Systems has been improved by the full-time use of a leased telephone circuit. The Ellesmere radio station, which for many years was the Toronto terminal for radio communication, will now be dismantled.

### **SUPPLY**

The total value of goods and services purchased by the Commission during 1966 exceeded \$268 million. Of this, approximately \$40 million was for coal to be used at the thermal-electric stations. Most of the remainder was for equipment and materials required in the continuing construction of new generating, transmission, and transformation facilities.

Late in the year, the Commission entered into long-term agreements with Rio Algom Mines Limited and Eldorado Mining and Refining Limited for the supply of uranium oxide powder to be used in the manufacture of fuel for nuclear-electric generating units. The total amount of uranium oxide to be supplied under these agreements is about 6,500 short tons, which is to be delivered at an accelerating rate over the years from 1967 to 1980. This is estimated to be sufficient to provide for the manufacture of nuclear fuel to meet the Commission's requirements, both





The Commission makes use of the most modern equipment and techniques in order to ensure that work on transmission and distribution lines is carried out efficiently and economically. Here a line crew is using an insulated aerial bucket truck and other specialized equipment in a combination of bare-hand and hot-stick techniques to move a live line beside a busy highway.

for initial fuelling and refuelling purposes, under a tentative program which assumes that one 500,000-kilowatt nuclear-electric unit will be commissioned in each year from 1970 to 1980 inclusive. This program should be of particular benefit to the national economy since the nuclear fuel used will be entirely of Canadian origin, while the very large tonnages of coal that otherwise would be required would have to be in large part imported from the United States.

The Commission is constantly facing pressures by suppliers for increases in lead time — the period between the receipt of an order and the delivery of goods. These pressures were even more insistently applied in 1966 as a reflection of the continuing economic boom, and the high incidence of labour strikes in major industries. With the Commission's requirements for goods and services increasing at a rate that matches the rapid growth in its customers' demands for electricity, this situation has led to the adoption of a number of new or revised procurement policies and practices.

Orders for components for coal-fired and nuclear-fuelled thermal-electric units, now being installed with capacities of about 500,000 kilowatts, are being placed for four units at one time in order to assist both the supplier and the Commission in meeting scheduled in-service dates. Contracts for supplies of coal from United States mines have been negotiated to cover periods extending until 1986, assuring



a dependable and economical supply of this commodity during a time when requirements, both of the Commission and of other coal-users, are expected to increase substantially. Long-term arrangements have been made for the transportation of coal from the mines by rail and water to the Commission's generating stations. These arrangements have led United States railroads to establish extensive and efficient new coal-storage and handling facilities at Lake Erie ports, and have resulted in the commissioning by shipping companies of a number of self-unloading vessels with capacities of more than 25,000 tons.

## SECTION II

### FINANCE

**T**HE Balance Sheet and the Statement of Operations are included in this section of the Report, together with the statements of the Allocation of the Cost of Primary Power, Equities Accumulated through Debt Retirement Charges, Reserve for Stabilization of Rates and Contingencies, and Source and Application of Funds. Supporting statements and schedules are in Appendix II, which includes a detailed statement of the allocation of the cost of primary power. This statement itemizes for each municipality its share of the total cost of power, the amount billed under its interim rate, and the resulting refund or additional charge.

The statement of assets held for the pension and insurance fund is set out separately in the Staff Relations section on page 99.

The customers of the Commission are subdivided into three main groups. The group designated as Municipalities comprises the municipal electrical utilities served with power at cost for resale to their customers. The second group is the Direct Customers, which are for the most part industrial companies with loads over 5,000 kilowatts, served directly by the Commission. The third group, Retail Customers, comprises all other customers served directly by the Commission, whether located in rural areas or in certain towns, townships, and villages where

the Commission owns and operates the distribution facilities, including those former Direct Customers having loads of under 5,000 kilowatts.

### **Financial Position**

Fixed assets less accumulated depreciation increased by \$155.7 million during the year, and at December 31, 1966 amounted to \$2631.0 million.

The expenditures on fixed assets during the year amounted to \$211.3 million, including outlays of \$103.0 million on thermal-electric generating stations, \$28.9 million on hydro-electric generating facilities, \$22.6 million on transformer stations, \$21.6 million on transmission lines, and \$20.3 million on retail facilities. The major outlays on thermal-electric generating stations were expenditures of \$41.4 million on Lakeview Generating Station, \$28.8 million on Lambton Generating Station, \$19.5 million on combustion turbines, and \$9.1 million representing the Commission's share of the expenditures on Pickering nuclear generating station. The major outlays on hydro-electric generating facilities were \$13.2 million on the Mountain Chute project on the Madawaska River, and \$5.1 million on Kipling Generating Station on the Mattagami River.

The Commission's long-term liabilities and notes payable amounted to \$2,237.0 million at December 31, 1966. This represents a net increase of \$130.9 million in the year, of which \$98.7 million was in bonds and \$32.2 million in notes. During the year the Commission issued bonds of \$155 million (Canadian) and \$35 million (U. S.).

The balance in the Reserve for Stabilization of Rates and Contingencies amounted to \$153.9 million at the end of 1966, up \$15.8 million from the balance at the end of 1965. This reserve has been established to absorb the effects on cost of variations in stream flow, the possibility of loads varying from the levels forecast, major physical damage to plant and equipment or their premature retirement, exchange risk on debt payable in United States funds, and other contingencies arising in the operations of the Commission. It is not used to offset normal increases in costs.

### **Revenues**

Revenues for the year 1966 amounted to \$336.4 million, larger by 8.1 per cent than those in the previous year. While there were some significant rate revisions, particularly the over-all reduction in retail rates, the higher revenues in 1966 are mainly the result of increased demands for power. Revenue from municipalities increased over 1965 revenue by \$14.8 million or 8.0 per cent, from retail customers by \$6.4 million or 8.4 per cent, and from direct customers by \$4.0 million or 7.9 per cent.

### **Costs**

Costs before reserve provisions rose from \$312.8 million in 1965 to \$327.2 million in 1966. Operating, maintenance, and administrative expenses increased by \$15.4 million. Other factors contributing to higher costs were an increase of

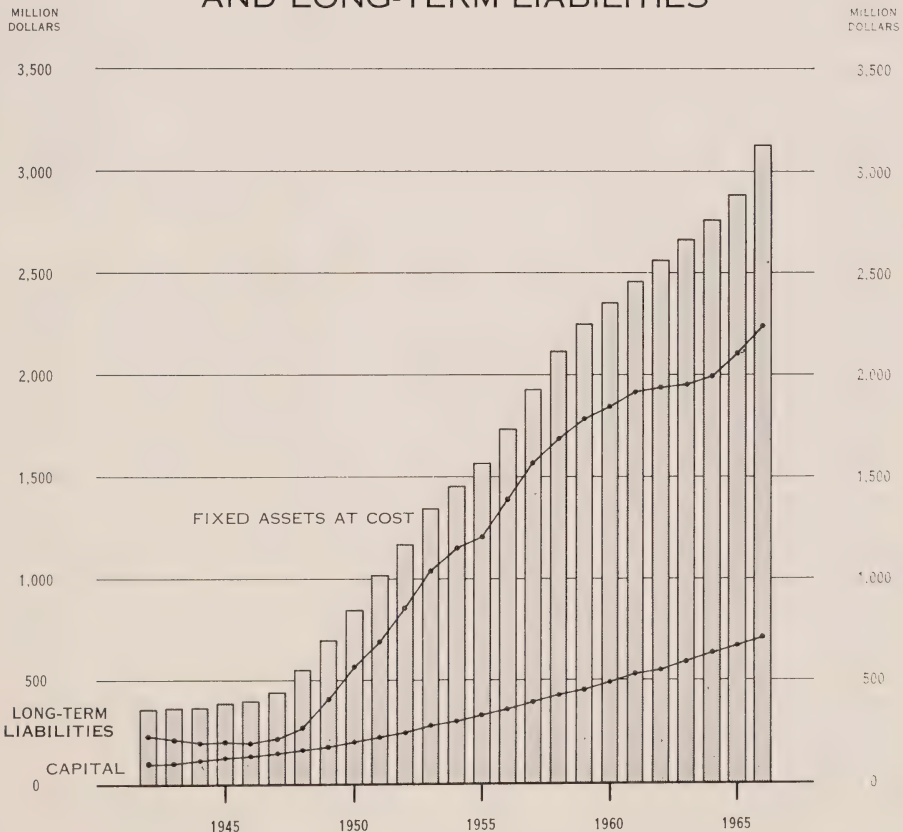


\$3.6 million in interest expense resulting from greater long-term liabilities, and an increase of \$2.2 million in the provision for depreciation reflecting the continuing growth of fixed assets in service. Partly offsetting the above increases, the amortization of frequency standardization costs decreased by \$7.7 million reflecting the reduction in the assessment to 60-cycle customers in the standardized area of the former Southern Ontario System from \$5.00 per kilowatt in 1965 to \$3.00 per kilowatt in 1966.

In 1966 a provision of \$9.7 million was made to the Reserve for Stabilization of Rates and Contingencies, because stream flows improved substantially over the average, and loads were greater than those forecast when facilities were planned. This provision compares with a withdrawal of \$2.0 million made in 1965.

### THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

## FIXED ASSETS, CAPITAL, AND LONG-TERM LIABILITIES



## Allocation of Costs

In the Chairman's Letter of Transmittal for the 1965 Report, reference was made to a two-year study which had been undertaken in response to a request of the Ontario Municipal Electric Association, and which had been used as the basis for the development of a new method of cost allocation. The purpose and application of the new method were explained to Association representatives at a series of district meetings in the latter part of 1965, and the new method, approved at the Association's annual meeting in 1966, was adopted effective January 1, 1966.

One of the more significant changes introduced as part of the new method was the establishment of an entity to be known as the Power District. It includes all of the Commission's retail customers, whether in rural areas or in those communities where the Commission owns and operates the distribution facilities, as well as those customers, for the most part industrial, served directly by the Commission.

The costing load for the Municipalities, that is the total demand in kilowatts over which their share of annual costs is to be spread, is the sum of the averages of their respective twelve monthly peaks. For purposes of the costing load, the Power District is to be regarded, like a municipality, as a unit. The coincident peak load of the Power District in any one month, in view of the diversity among its many component loads, will be somewhat less than the sum of the individual peaks which occur at different times in the month. Costs will be allocated on the basis of the average of the twelve coincident monthly totals so established. Customers in the Power District will thereby enjoy the benefits of diversity in the same manner as customers served by a municipal utility, since in each instance the costing load is similarly calculated.

Under the former method of cost allocation, costs of the power-supply function were divided into peak and energy portions, in recent years equal portions, roughly in accordance with the incremental costs of supplying additional peak capacity and additional energy. These portions were in turn allocated to peak and energy loads of Municipalities and other customer groups at the average rates per kilowatt and per kilowatt-hour established at the end of the year. The Municipalities were, however, billed throughout the year at an interim rate per kilowatt which could not make allowance for the energy use to which this load was being applied. Any significant change in a municipality's annual load factor, therefore, by increasing or decreasing the energy portion of its load in relation to its peak load tended to create wide swings in its cost of power by exposing it to end-of-year energy-cost adjustments at kilowatt-hour rates that were unpredictable until after the conclusion of the year's operations. The new costing method assumes a uniform energy rate, roughly the incremental cost of producing additional energy on the system as a whole. The energy portion of the total cost of power is distributed at this rate throughout the year. The rate of 2.75 mills per kilowatt-hour used in 1966 is considered appropriate for perhaps a five-year period. Cost recovery by this method will represent a larger portion of total cost than that recovered by the energy portion under the former division

between peak and energy loads. The interim rates per kilowatt for the Municipalities have accordingly been lowered substantially. Furthermore, the introduction of an interim rate with demand and energy components will permit monthly billings to reflect changes in a municipal utility's load factor, and will thus minimize the effect of these changes on year-end billing adjustments.

The extent of system-wide pooling of costs was increased in 1966 to include certain costs formerly allocated on the basis of five separate geographic areas.

The treatment of equities accumulated through debt retirement charges was also modified in 1966 by the introduction of a "return on equity" concept to replace the former method of applying credits to such portions of the debt retirement fund as were regarded as matured. Under the new concept, a 4 per cent return is allowed on equities accumulated through debt retirement charges, exclusive of those applicable to the Commission's retail distribution system. This return is credited in the cost of power to the Municipalities and to the Power District, and the cost of so doing is uniformly allocated to Municipalities and the Power District on the basis of the average of their monthly peak loads.

### **Data Processing**

The Commission's first Univac II computer was placed in service in 1958, and as requirements for computer services increased, a second computer was installed in 1963. By 1966, demands for computer usage had reached the point where even this augmented capacity was loaded almost to its maximum. More extensive use was therefore made of rented facilities at other data centres, and supplementary equipment in the form of an IBM 1401 computer was introduced to handle small jobs.

With a view to establishing a comprehensive program for the provision of data processing services, the Commission in April 1966 solicited from seven computer manufacturers their proposals for the replacement of the general-purpose computing equipment then in service. Proposals by three manufacturers were submitted in June, and a Computing Services Technical Committee was assigned the task of evaluating these proposals and making a recommendation for the selection of equipment. With the assistance of an evaluation team composed of senior data processing staff and representatives of selected engineering groups, tests of the equipment were carried out in addition to an exhaustive study of the various proposals. By the end of the year the Committee had reached the final stages in preparing its recommendation for the lease of large-scale, third generation computer equipment, not only to replace the former equipment, but also to perform the work being carried out at outside data-processing centres.



## THE HYDRO-ELECTRIC POWER

## BALANCE SHEET AS AT

(with comparative figures)

## ASSETS

	1966	1965
	\$	\$
<b>FIXED ASSETS (Notes 1 and 2)</b>		
Plant in service at cost.....	2,888,212,530	2,791,096,592
Less accumulated depreciation.....	494,461,316	455,883,590
	2,393,751,214	2,335,213,002
Plant under construction at cost.....	237,247,643	140,118,458
	2,630,998,857	2,475,331,460
<b>CURRENT ASSETS</b>		
Cash and short-term investments (Note 3).....	73,204,880	78,045,547
Accounts receivable.....	56,186,798	46,242,480
Coal at cost.....	37,060,200	21,939,292
Materials and supplies at cost.....	15,981,643	14,095,439
	182,433,521	160,322,758
<b>DEFERRED CHARGES AND OTHER ASSETS</b>		
Frequency standardization cost less amounts written off.....	119,657,901	128,051,088
Discount and expense on bonds and notes payable less amounts written off.....	21,517,246	21,835,332
Long-term accounts receivable.....	6,054,768	4,746,248
Other assets.....	9,431,021	8,312,009
	156,660,936	162,944,677
<b>INVESTMENTS (Note 4)</b>		
Investments held for		
Reserve for stabilization of rates and contingencies.....	148,927,387	134,022,855
Debt retirement fund.....	67,338,190	51,437,468
Employer's liability insurance fund.....	3,242,139	3,238,338
	219,507,716	188,698,661
	3,189,601,030	2,987,297,556

See accompanying notes on pages 35 and 36.

## AUDITORS' REPORT

We have examined the balance sheet of The Hydro-Electric Power Commission of Ontario as at December 31, 1966 and the statements of operations and source and application of funds for the year ended on that date. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion, the accompanying balance sheet and statements of operations and source and application of funds present fairly the financial position of the Commission as at December 31, 1966, the results of its operations, and source and application of funds for the year ended on that date.

CLARKSON, GORDON & CO.  
Chartered Accountants.

Toronto, Canada  
March 29, 1967.

## COMMISSION OF ONTARIO

DECEMBER 31, 1966

as at December 31, 1965)

## LIABILITIES, CAPITAL AND RESERVE

	1966	1965
	\$	\$
LONG-TERM LIABILITIES		
Bonds payable		
In Canadian funds.....	1,705,442,400	1,641,030,600
In United States funds (\$417,795,000 U.S.).....	423,228,640	387,240,224
Advances from the Province of Ontario.....	5,734,446	7,453,263
Total, including \$152,764,986 maturing in 1967.....	2,134,405,486	2,035,724,087
NOTES PAYABLE		
Notes payable maturing within three years of which		
\$100,200,000 are due in 1967.....	102,600,000	70,400,000
	2,237,005,486	2,106,124,087
CURRENT LIABILITIES		
Accrued interest.....	33,069,294	29,621,765
Accounts payable and accrued charges.....	44,344,854	32,791,357
	77,414,148	62,413,122
DEFERRED LIABILITIES		
Customers' deposits.....	5,528,419	5,208,145
Employer's liability insurance fund.....	3,838,988	3,505,072
	9,367,407	8,713,217
CAPITAL AND RESERVE		
Contributed capital		
Equities accumulated through debt retirement charges....	592,764,837	553,434,708
Province of Ontario, assistance for rural		
construction (Note 5).....	119,192,807	118,584,980
	711,957,644	672,019,688
Reserve for stabilization of rates and contingencies.....	153,856,345	138,027,442
	865,813,989	810,047,130
	3,189,601,030	2,987,297,556

## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

## STATEMENT OF OPERATIONS

for the Year Ended December 31, 1966  
(with comparative figures for 1965)

	1966	1965
	\$	\$
REVENUES		
Municipalities.....	200,198,916	185,409,040
Retail customers.....	82,340,694	75,944,902
Direct customers.....	53,897,175	49,946,079
	336,436,785	311,300,021
COSTS		
Operating, maintenance and administrative expenses.....	107,467,781	92,042,570
Interest (Note 6).....	76,799,907	73,234,352
Depreciation.....	45,105,311	42,863,800
Debt retirement charge (Note 7).....	39,330,128	38,960,777
Fuel used for electric generation.....	34,836,272	35,791,749
Amortization of frequency standardization cost (Note 9)....	12,983,391	20,681,081
Power purchased.....	13,283,479	13,031,906
Sales of secondary energy.....	2,583,820	3,805,835
Total before reserve provision (withdrawal).....	327,222,449	312,800,400
Provision ( <i>Withdrawal</i> ) for stabilization of rates and contingencies.....	9,658,125	2,047,946
	336,880,574	310,752,454
Transferred <i>from</i> (to) the reserve for stabilization of rates and contingencies—direct and retail customers.....	443,789	547,567
	336,436,785	311,300,021

See accompanying notes on pages 35 and 36.



THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

**STATEMENT OF THE ALLOCATION OF THE COST OF  
PRIMARY POWER**

**for the Year Ended December 31, 1966**

	MUNICIPALITIES	POWER DISTRICT (Note 8)		TOTAL
		Retail Customers (Note 10)	Direct Customers	
<b>COSTING LOADS AND ENERGY</b>				
Average of 12 monthly peaks in kilowatts . . .	4,779,910.0	928,673.0	1,231,315.5	6,939,898.5
Total energy in megawatt-hours . . . . .	28,608,782.0	5,795,758.8	10,290,365.3	44,694,906.1
	\$	\$	\$	\$
<b>COST OF PRIMARY POWER</b>				
Cost, excluding items shown below . . . . .	182,906,171	79,695,236	51,998,628	314,600,035
Frequency standardization assessment (Note 9)	10,808,834	1,158,518	655,062	12,622,414
Cost of return on equity (Note 8) . . . . .	14,303,699	2,786,230	3,677,453	20,767,382
Return on equity (Note 8) . . . . .	14,431,142	2,712,092	3,624,148	20,767,382
Total, before reserve provision . . . . .	193,587,562	80,927,892	52,706,995	327,222,449
Provision for stabilization of rates and contingencies . . . . .	6,611,354	1,311,762	1,735,009	9,658,125
Cost of primary power allocated to customers (Note 8) . . . . .	200,198,916	82,239,654	54,442,004	336,880,574
<b>AMOUNTS BILLED FOR PRIMARY POWER . . . . .</b>	198,337,179	82,340,694	53,897,175	334,575,048
<b>EXCESS (Deficiency) OF AMOUNTS BILLED OVER COSTS</b>				
Charged to Municipalities . . . . .	1,861,737	.....	.....	1,861,737
Transferred <i>from</i> (to) the reserve for stabilization of rates and contingencies . . . . .	.....	101,040	544,829	443,789

See accompanying notes on pages 35 and 36.

## THE HYDRO-ELECTRIC POWER

EQUITIES ACCUMULATED THROUGH  
for the Year Ended

	ALLOCATED	
	Municipalities	Power District
	\$	\$
Balances at December 31, 1965.....	396,895,621	96,643,809
Distribution of unallocated equities.....	8,153,681	51,741,598
	405,049,302	148,385,407
Add		
Debt retirement charge to operations....	25,297,969	14,032,159
Equities transferred through annexations..	852,344	852,344
Balances at December 31, 1966.....	431,199,615	161,565,222

RESERVE FOR STABILIZATION  
for the Year Ended

	HELD FOR THE BENEFIT OF ALL CUSTOMERS
	\$
Balances at January 1, 1966.....	120,184,682
Add	
Interest for the year at rates approximating the earnings on investments held for the reserve.....	5,983,759
Provision ( <i>Withdrawal</i> ) charged to Operations.....	9,789,072
	135,957,513
Deduct	
Excess of direct and retail customers' cost over revenue.....	.....
Net loss on redemption of bonds payable and sale of investments.....	225,074
Grant to Ontario Municipal Electric Association.....	.....
	225,074
Balances at December 31, 1966.....	135,732,439

See accompanying notes on pages 35 and 36.

## COMMISSION OF ONTARIO

## DEBT RETIREMENT CHARGES

December 31, 1966

UNALLOCATED (Note 11)		TOTAL
Province of Ontario	Administrative and Service Buildings and Equipment	
\$ 54,859,224	\$ 5,036,055	\$ 553,434,709
54,859,224	5,036,055	.....
.....	.....	553,434,709
.....	.....	39,330,128
.....	.....	.....
.....	.....	592,764,837

## OF RATES AND CONTINGENCIES

December 31, 1966

HELD FOR THE BENEFIT OF CERTAIN GROUPS OF CUSTOMERS					TOTAL
Municipalities		Power District			
All Municipalities (Note 12)	Former Thunder Bay System	All Direct Customers (Note 13)	Direct Customers Former Northern Ontario Properties (Note 13)	Retail Customers	
\$ 1,081,163	\$ 124,722	\$ 5,769,911	\$ 6,046,477	\$ 4,820,487	\$ 138,027,442
51,995	6,225 130,947	287,585	301,369	240,263	6,871,196 9,658,125
1,133,158	.....	6,057,496	6,347,846	5,060,750	154,556,763
.....	.....	544,829	.....	101,040	443,789
.....	.....	.....	.....	.....	225,074
31,555	.....	.....	.....	.....	31,555
31,555	.....	544,829	.....	101,040	700,418
1,101,603	.....	5,512,667	6,347,846	5,161,790	153,856,345



**THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO**  
**STATEMENT OF SOURCE AND APPLICATION OF FUNDS**  
**for the Year Ended December 31, 1966**  
(with comparative figures for 1965)

	1966	1965
	\$	\$
<b>Source of Funds</b>		
Operations—		
Depreciation—		
Direct provision.....	45,105,311	42,863,800
Indirect provision.....	5,611,908	5,246,387
Debt retirement charge.....	39,330,128	38,960,777
Frequency standardization amortization of cost, less interest on the account.....	8,210,899	15,394,866
Interest added to reserve for stabilization of rates and contingencies.....	6,871,196	6,411,182
Provision ( <i>Withdrawal</i> ) for stabilization of rates and contingencies.....	9,658,125	2,047,946
Excess ( <i>Deficiency</i> ) of direct and retail customers' revenues over cost.....	443,789	547,567
Other items.....	3,070,308	2,770,181
	<u>117,414,086</u>	<u>110,146,814</u>
Proceeds from issues of bonds and notes less retirements.....	128,266,086	104,254,592
Net increase in amounts held in cash and investments.....	26,326,569	65,804,974
	<u>101,939,517</u>	<u>38,449,618</u>
Increases in accounts and interest payable.....	15,001,026	11,171,154
	<u>234,354,629</u>	<u>159,767,586</u>
<b>Application of Funds</b>		
Expenditures on fixed assets, less proceeds from sales, etc.....	205,776,789	147,312,615
Increases in accounts receivable.....	11,252,838	6,863,614
Increases in coal, materials, and supplies.....	17,007,112	2,974,161
Other items—net.....	317,890	2,617,196
	<u>234,354,629</u>	<u>159,767,586</u>

## NOTES TO FINANCIAL STATEMENTS

as at December 31, 1966

1. The construction of Pickering nuclear generating station is a joint undertaking with about 40% of the cost being provided by the Commission, 33% by Atomic Energy of Canada Limited, and 27% by the Province of Ontario with ownership being vested in the Commission. Contributions by Atomic Energy of Canada Limited and the Province of Ontario to December 31, 1966 have been deducted in arriving at the cost of plant under construction. The contributions will be repayable only if, as, and when the plant has operational savings in comparison with the Commission's coal-fired Lambton Generating Station near Sarnia.
2. Tools and equipment, shown as current assets in previous years, have been reclassified as fixed assets, the original cost being included with plant in service, and the depreciation with accumulated depreciation. The comparative figures for 1965 have been adjusted accordingly.
3. On December 31, 1966, cash amounted to \$2,282,526; short-term investments, which are included at amortized cost (approximately market value), consisted of interest-bearing deposits in banks and trust companies, \$49,016,244, government and government-guaranteed bonds, \$15,936,985, and corporate obligations, \$5,969,125.
4. On December 31, 1966, investments, which are included at amortized cost, consisted of government and government-guaranteed bonds, \$218,513,779, and corporation bonds, \$993,937. At this date the market value of these investments was \$209,222,000.
5. The Province of Ontario contributed \$607,827 during 1966 as assistance for rural construction.
6. Interest cost includes interest on long-term liabilities, notes payable, and the reserve for stabilization of rates and contingencies, less interest capitalized and interest earned on investments.
7. In 1966, the method of determining the debt retirement charge was modified, and as a result the charge to operations of \$39,330,128 was about \$2,000,000 less than it would otherwise have been.
8. Effective January 1, 1966 the methods of allocating the cost of primary power to each customer were substantially revised to reflect the increasing importance of the cost of producing energy, to achieve a greater pooling of costs on a province-wide basis, and to recognize the diversity in the loads of other than municipal customers. For the purpose of cost allocation in 1966 Retail and Direct Customers have been grouped in a single entity known as the "Power District". Costs considered to be variable with energy have been charged both to the Power District and the Municipalities at 2.75 mills per kilowatt-hour. Costs attributable to retail operations and other costs relating to facilities provided for specific customers or groups of customers were charged directly to the customers concerned. The balance of costs remaining have been allocated proportionately to the average monthly peak load of the Power District as a whole, and the average monthly peak loads of the individual Municipalities.  
Also in 1966 a "return on equity" concept was introduced to replace the former method of applying credits resulting from matured debt retirement equities. Under the new concept the cost of power of each Municipality and of the Power District was credited with a 4% return on equities accumulated through debt retirement charges. In applying these credits, adjustments were made in recognition of Direct Customers' contributions for debt retirement prior to 1966. The cost of providing the return on equity was allocated to Municipalities and the Power District on the basis of the average of their costing loads.
9. The 1966 frequency standardization assessment comprises:
 

A charge of \$3.00 per kilowatt of costing load (\$5.00 per kilowatt in 1965) to all 60-cycle customers in the standardized area of the former Southern Ontario System .....	\$12,622,414
In addition, an amount equal to the net revenue on the export of 60-cycle secondary energy from the former Southern Ontario System has been appropriated as in prior years for the amortization of frequency standardization costs .....	360,977
Total amortization as shown in the Statement of Operations .....	<u>\$12,983,391</u>

The reduction in the charge to customers from \$5.00 to \$3.00 per kilowatt will extend the amortization period by approximately three years.
10. The cost of primary power allocated to Retail Customers totalling \$82,239,654, includes retail distribution costs of \$40,567,119.

11. Unallocated equities at December 31, 1965 consisted of:
- (a) \$46,893,895 contributed to January 1, 1962, by persons previously served for the account of the Province of Ontario, and \$4,304,841 accumulated to January 1, 1962 by debt retirement provisions in respect of administrative and service buildings and equipment; and
  - (b) interest on these balances for the years 1962 to 1965 inclusive.
- These unallocated equities have now been distributed to the Municipalities and the Power District. The amount relating to the Province of Ontario has been allocated to the benefit of persons in the former Northern Ontario Properties under the authority of Section 4 (1) of The Power Commission's Systems Consolidation Act 1961-1962.
12. The section of the reserve for stabilization of rates and contingencies called All Municipalities was previously described as Low-Voltage Cost Relief. This redesignation was made because the reserve is no longer required for its original purpose.
13. At January 1, 1966 the sections of the reserve for stabilization of rates and contingencies formerly shown as being held for the benefit of Direct Customers—within Municipalities and Direct Customers—Outside Municipalities have been combined because the formation of the Power District made this separation unnecessary.

Portions of the former sections arising from prepaid sinking funds are held for the specific benefit of Direct Customers in the former Northern Ontario Properties and comprise the following:

Prepaid sinking fund allocated at January 1, 1962 to	
Direct Customers—within Municipalities.....	\$1,158,495
Direct Customers—outside Municipalities.....	3,906,491
	<hr/>
	\$5,064,986
Interest on these balances for the years 1962-1965.....	981,491
	<hr/>
	<u>\$6,046,477</u>



## SECTION III

### MARKETING AND THE COMMISSION'S CUSTOMERS

**T**HE total number of ultimate customers served by the Commission and the associated municipal electrical utilities was 2,187,767 at the end of the year. The Commission at that time was serving 557,429 retail customers. In addition to 525,544 rural customers, this latter total included 91 special customers having loads of under 5,000 kilowatts who were formerly served as direct industrial customers, and 31,794 customers in 28 communities where the Commission owns and operates the local distribution facilities. Because of the similarity in the method by which they are served, the customers in these 28 communities are included for statistical purposes with the municipal electrical utility customers in the introductory comment on retail service in the Municipal Service Supplement beginning on page 155.

#### **Load Building**

The Commission, through a marketing policy co-operatively supported by the municipal electrical utilities, continuously seeks to foster development of customer loads which will contribute to improved efficiency and economy in operation. Progress toward this goal is maintained by the balanced application of a variety of activities. First the possibilities of the market are explored through market research, and appropriate advertising is accordingly selected and scheduled. The sales effort is then programmed with specific objectives in mind. This is further supplemented by continuing market analysis of customer response to the service provided.

The regular province-wide promotions of major household appliances — dishwashers, clothes dryers, Cascade water heaters — were successfully carried out in conjunction with various allied agencies during the year. The advantages of electrical living have also been effectively presented to potential homemakers of the



McMICHAEL GALLERY, KLEINBURG, ONTARIO — An unusual opportunity for the application of electric heating was the design of this beautiful home constructed in the pioneer style, but equipped with those features of heating, lighting, and humidity control most likely to meet the requirements of its present use as an art gallery.

next few years through the Home Economics Classroom Equipment Program which, with the co-operation of manufacturers, dealers, schools, and municipal utilities, has resulted in the installation of more than 4,000 appliances in some 600 schools in the Province.

Beginning early in 1967, the Commission and the municipal utilities will be placing increasing emphasis on the value, and indeed the necessity in the interest of safety, of modernizing obsolete electrical installations in older premises to meet the requirements of the manifold uses of electricity today. The Commission will further encourage customers in this modernization by offering loans of from \$100 to \$2,000 under a convenient consumer credit plan that will enable them to avail themselves of the full advantages of permanently installed electric appliances and equipment, to enjoy the comfort of complete all-electric heating and cooling systems, and to take adequate advantage of major labour-saving devices on the farm.

In order to more effectively co-ordinate the promotion of electric heating with other electrical promotion program activities, the Ontario Electric Service League was amalgamated in 1966 with the Electric Heating Association of Ontario to become the Ontario Electrical League. The combined interests of all segments of the electrical and allied industries will undoubtedly be better served through this integrated activity.



During 1966, some 7,500 new homes, approximately 24 per cent of the total of single-dwelling unit starts in Ontario during the year, were equipped with electric heating, and approximately 1,700 single-family dwellings had their former heating systems replaced by electric heating. In the absence of any concentrated promotional effort specifically directed at this conversion market, these heating-system replacements in older dwellings clearly indicate a growing customer recognition of the superiority of electric heating. Interest has been no doubt stimulated by the greater variety and flexibility of electric-heating systems now available on the market. It has been enhanced also through a number of presentations and discussions with regard to wiring and all types of electric heating. These presentations were attended in all by more than 1,000 persons associated either with the building industry or with real-estate sales.

Correspondingly satisfactory progress was made during 1966 in the promotion of electric heating for commercial and industrial installations. New commercial electric-heating installations during the year included apartment dwellings incorporating some 4,200 suites, more than 50 schools, and 60 new motels. The 12,200 apartment suites now electrically heated represent a 52 per cent increase over the total at the end of 1965.

There is evidence also of increasing commercial and industrial interest in outdoor lighting of all types — basically functional, architectural, and protective. Under



McMICHAEL GALLERY, KLEINBURG, ONTARIO — The heating in the gallery is provided by electric cable in the ceiling. Effective lighting, accurate temperature control, and the fan circulation of moistened air from the indoor swimming pool to maintain a steady 50 per cent humidity offer ideal conditions for the display of the valuable collection of Canadian paintings.





The strong trend toward high-quality lighting in all types of buildings is typified by this installation in the cafeteria of Wellesley Hospital, Toronto.

the architectural flood-lighting program known as "Operation Aladdin", demonstrations were arranged in Belleville, Brantford, Fort William, Port Arthur, and Sudbury to complement the Centennial lighting program of the Canadian Electrical Association. Some of these installations have since been made permanent.

The interest of the modern farmer, whether in dairy, poultry, hog, beef, or cash-crop farming, is more and more directed towards the use of well-designed, completely automated systems for materials handling and for improved operating efficiency. The 1966 farm sales conference held in conjunction with the agricultural extension engineers of the Provincial Department of Agriculture was primarily directed toward consideration of this kind of equipment. The coming year should see the further extension of this form of workshop presentation carried out in conjunction with equipment suppliers and contractors throughout the province.

If the marketing effort is to remain vital and effective, recognition must be continuously given to the importance of regular training for those employees of the staff who are either directly engaged in selling or are responsible for administering sales programs. During the winter of 1965-66, four seminars were held for managers responsible for marketing activity. More than 225 persons attended these sessions, including managers and senior officers from the utilities and Head Office, as well as from the Regional and Area Offices. In addition, more than 275 persons attended other courses in selling techniques, or participated in home-study courses along these lines.

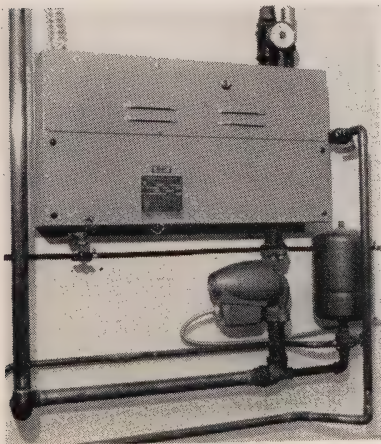
## Rate Development

Rate simplification is generally regarded as highly desirable, and it is certainly a long-range objective both for the Commission and for the municipal utilities. The recent development, in co-operation with the Association of Municipal Electrical Utilities, of a general rate applicable to all types of commercial and industrial customers was a worthwhile step in this direction. While implementation of the general rate is still in the very early stages, it will eventually greatly reduce the number of customer classifications and special rates.

Studies were undertaken on commercial water-heating and space-heating loads, and on various types of residential loads in subdivisions, ranging from those served predominantly by gas to those which are all-electric. Random samples of commercial and industrial loads were also measured with the purpose of establishing the load characteristics within groups at various load levels.

## MUNICIPALITIES

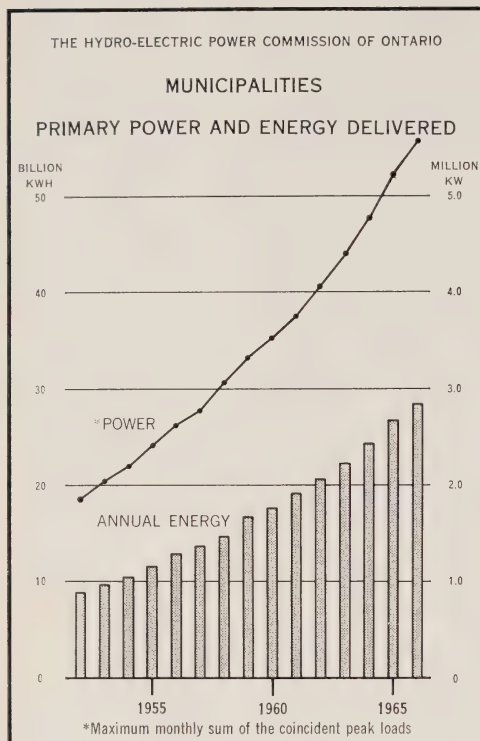
At the end of 1966, the Commission was supplying power under a cost contract with each of 358 municipal electrical utilities, and these in turn were serving a total of 1,630,255 customers. On January 1, 1967, however, a number of amalgamations took place when, under an Act of the Provincial Legislature, new borough administrations were established within Metropolitan Toronto. In conformity with this administrative regrouping, the customers formerly served by 12 separate municipal electrical utilities were redistributed, and the 12 utilities were consolidated into six.



**HYDRONIC ELECTRIC HOUSE-HEATING EQUIPMENT** — The extremely compact hydronic electric (hot-water) unit shown at the left can be conveniently installed on the wall of a basement or utility room. It fully meets the house-heating requirements of the dwelling shown at the right, in which it is installed. Together with central warm-air and heat-pump systems, baseboard, and radiant-heat ceiling cable systems, the addition of this type of electric-heating equipment now provides a wide variety of choice in meeting all heating requirements and customer preferences, both in newly constructed houses and for heating-system conversions. Over 5,000 houses in Ontario have been changed over to electric heating.



The new method of allocating the cost of primary power was introduced in January 1966, and changes in billing procedures were made accordingly. The interim rate per kilowatt of monthly peak load was continued, but at a substantially lower level than in the past, and a uniform rate per kilowatt-hour of energy delivered was introduced.



Under the previous method of allocation, the cost of the power-supply function, which represents about 60 per cent of the total cost of power, had been equally divided into demand and energy portions. These portions were then respectively distributed to customers at the unit costs per kilowatt and per kilowatt-hour which could be established only at the end of the year after the close of operations. The variation in the energy rate applied from year to year, together with the possible variation from year to year in a utility's load factor, could, and frequently did, result in fairly wide fluctuations in the total cost of power to the utility. The final unit cost per kilowatt, therefore, might differ considerably from the interim rate per kilowatt upon which monthly billings had been based, with the resulting requirement for extensive thirteenth-bill adjustments at the end of the year.

The application of a uniform energy rate, now 2.75 mills per kilowatt-hour, eliminates the first of these two variables. Furthermore, billing at this uniform rate throughout the year smooths out the effect of the second variable by permitting adjustments to changes in load factor month by month.

The demand part of the municipal utility's monthly bill is still calculated by applying the appropriate interim rate to the maximum average demand registered by the utility over a period of twenty consecutive minutes in the month. The implications and advantages of certain other changes in the method of determining and allocating costs in general are dealt with in the Finance Section of the Report.

As the system peak load usually reaches its annual maximum in December, Statement "D" gives the December peak load for each of the municipalities. The sum of the peak loads supplied by the Commission to the 358 municipalities in 1966 was 5,571,469 kilowatts, as compared with 5,223,845 kilowatts in 1965, the



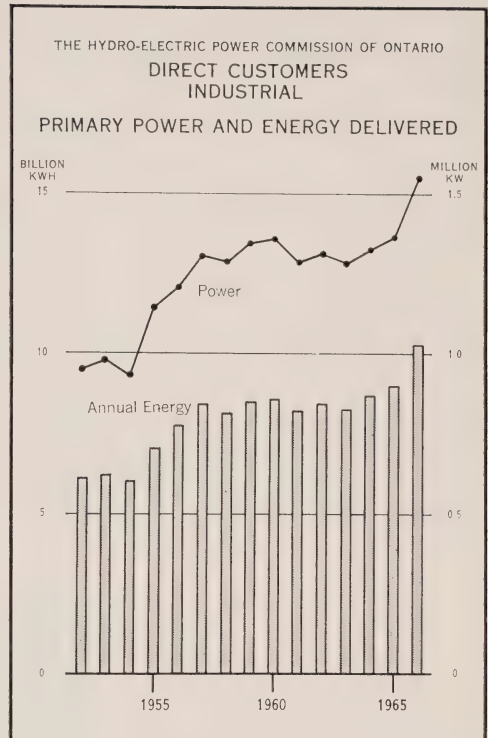
increase being 6.7 per cent. Eleven of the municipal utilities supplement the delivery of power by the Commission by their own generating facilities, or purchase power from sources other than the Commission. For these municipalities, the peak loads shown in bold type in Statement "D" include power supplied from these supplementary sources.

The energy delivered by the Commission to the municipalities in 1966 amounted in total to 28.6 billion kilowatt-hours, exceeding the 26.8 billion kilowatt-hours delivered in 1965 by 6.6 per cent.

## DIRECT CUSTOMERS

An extensive reclassification of direct customers followed the introduction on January 1, 1966 of the revised power-costing method and the implementation of new uniform rates. The direct customer group now basically includes only those customers with loads in excess of 5,000 kilowatts, the remainder formerly in this category being now reclassified as retail "special" customers. This has not only reduced the number of direct customers by 50 per cent, but also eliminated from the group the entire representation of some types of industry that were included in the table of comparative statistics formerly given in this section. The table of year-to-year comparisons by types of industry is, therefore, omitted, and the ensuing summary commentary is presented with due allowance for the major customer redistribution that has taken place.

The direct industrial customers in 1966 numbered 76 as compared with 154 in 1965. They included two major industrial companies with a combined average load of 141,247 kilowatts formerly served by the Sarnia Hydro-Electric Commission. The addition of these customers, effective January 1, 1966, was sufficient to offset the effect of the other reclassifications so that the monthly sum of the direct industrial customer primary peak loads, again reaching its maximum in December, exceeded the 1965 maximum by 13.5 per cent. The maximum monthly sum of the primary peak loads was 1,551,137 kilowatts in 1966 as compared with 1,366,811 kilowatts in 1965. The total primary energy supplied during the year was up by 13.9 per cent from 9,007,606,719 kilowatt-hours to 10,255,485,048 kilowatt-hours. The



upward movement shown, both in peak and energy requirements, in the accompanying graph reflects not only the addition of the two new companies in Sarnia, but also generally growing loads among other customers, including significant load increases in the pulp and paper and the abrasive industries.

A total of 3,638,702,585 kilowatt-hours was disposed of as secondary energy in 1966. Of this total 3,088,112,068 kilowatt-hours were sold to interconnected systems and 550,590,517 kilowatt-hours were sold to the Commission's direct and special retail customers. In total, secondary sales were down by 5.8 per cent from 3,862,070,834 kilowatt-hours in 1965, sales to interconnected systems being down by 3.3 per cent, and sales to other customers by 17.8 per cent.

### **RURAL ELECTRICAL SERVICE**

A net increase of 10,340 customers brought the total number of rural customers served at the end of the year to 525,544, after allowing for the transfer of 2,337 customers to service by municipal electrical utilities following area annexations. All classes of service, except farm service, showed increases in number of customers. The number of farm service customers declined to 133,305, falling for the seventh successive year to the lowest figure since 1952. This decline reflects not only the abandonment of farms, but also the consolidation of small farms into larger units, and the reclassification of former farm services to more appropriate classes of service.

Revenues and energy consumption in total, as well as average consumption per customer, rose for all classes of service, while average cost per kilowatt-hour to the customer declined. The average annual consumption for farm service customers was 9,257 kilowatt-hours in 1966.

For all customers except those served as residential seasonal customers, the rate revisions described in last year's Report were introduced in April 1966 after all customers had received through the mail a carefully prepared and detailed explanation of the reasons for the changes, and an analysis of the possible effects these changes would have on electricity bills for various classes of customers. Among the more significant changes were the reassignment of year-round residential customers into

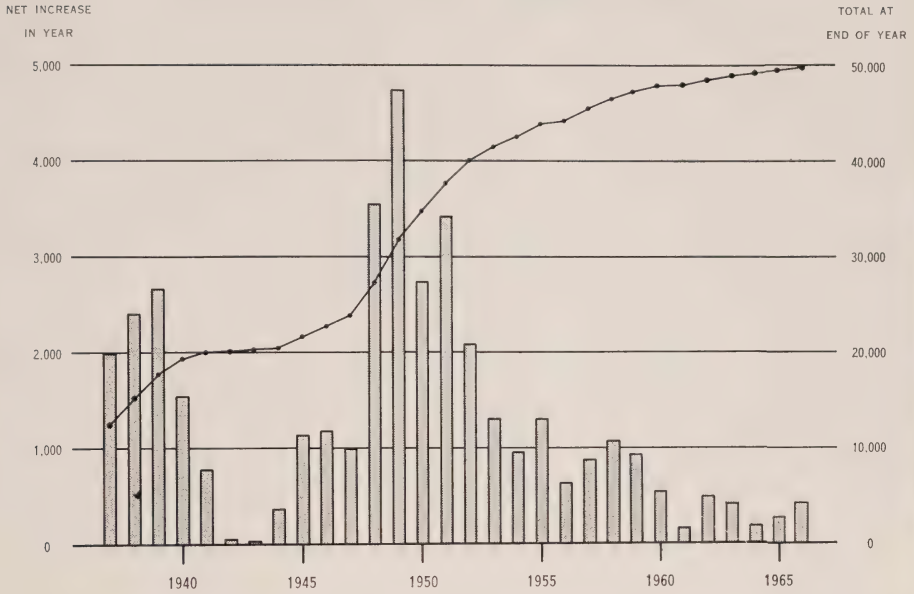


**ELECTRICITY ON THE FARM** — Mr. Don Boyington provides a study in relaxation and operating efficiency as he checks controls for his modern feedlot system, under guidance from associated ammeters and pilot indicators. With one hand still in his jacket pocket he sets in motion electric equipment and controlling mechanisms designed to unload from the silos and deliver, as required, sufficient feed for five hundred beef cattle.

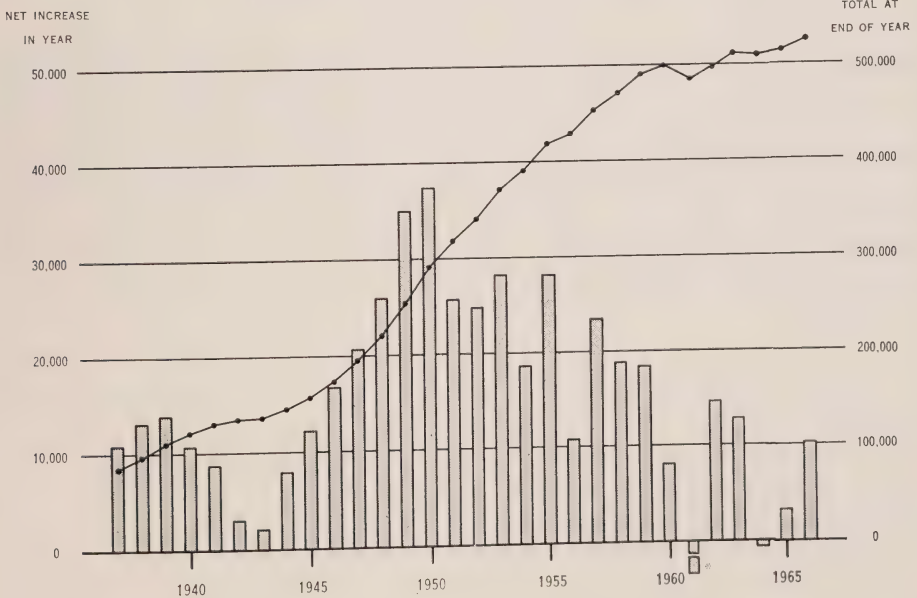
have on electricity bills for various classes of customers. Among the more significant changes were the reassignment of year-round residential customers into

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

MILES OF RURAL PRIMARY LINE



NUMBER OF RURAL CUSTOMERS



DECREASE — 14,542



two rather than three groups, so that preferential suburban rates would apply in built-up areas and in certain designated areas of rapid load growth. A general class was instituted to include former commercial service and industrial power service customers. Flat-rate water-heater installations were discontinued in favour of metered installations for all customers. Net rates with a 5 per cent late-payment charge were adopted in place of the gross rates with a prompt-payment discount.

Consideration was also given to the fact that electrical service is being more extensively and more efficiently used in many premises designated as seasonally occupied. As a result of studies completed in 1966, recommendations were made for the implementation in 1967 of adjustments to residential seasonal rates on the basis of the zones of customer concentration used for year-round residential customers. The rate per kilowatt-hour at higher energy-consumption levels will be the same for both groups in any one service location.

The installation on a rental basis of 2,500 Sentinel lighting units in 1966 brought the total of 175-watt lights so installed to approximately 7,500. As a result of the growing demand for lights of higher intensity, the program was extended in 1966 to include also 400-watt mercury-vapour lamps.

## **SERVICES TO CUSTOMERS**

### **Electrical Inspection**

Under The Power Commission Act, the approval of electrical equipment and the inspection and approval of its installation are the responsibility of the Commission. Approval of equipment may be given through the adoption of reports made by the Canadian Standards Association Testing Laboratories or by other recognized testing agencies. On the other hand, when equipment has been custom-built, or manufactured as other than a regular line, or when equipment similar to Canadian Standards Association certified models has been installed without the required evidence of approval, it must be inspected and approved by Commission representatives.

Regulations issued by the Commission under The Power Commission Act are published as the Ontario Electrical Code. The most recent edition, prepared during 1966, incorporates, with only minor amendment, the Canadian Electrical Code, which is followed by the inspection authorities in most provinces of Canada. The published code incorporates, among other items, new standards governing the minimum size of service-entrance equipment and the number of circuit outlets for residential electrical service. These standards not only provide now for greater safety in new residential installations, but also offer improved facilities for safely meeting load growth in the future.

More than 500,000 inspections of wiring in buildings were made by the inspection staff during the year. Reports were prepared on eleven fatalities and 156 fires attributable to electrical causes. Investigation of a number of other fires failed to establish conclusive evidence that electrical causes contributed to the situations reported.

### **Public Relations**

The active support of the municipal utilities is being enlisted in a co-ordinated public relations effort with a variety of objectives in addition to sales promotion, which is discussed in the introduction to this section of the Report. The Commission's staff, together with national organizations such as the Canadian Electrical Association, and with electrical manufacturers and trade associations, is engaged in industry-wide activities directed towards improving the effectiveness of the electrical industry as a whole. Their effort is also being applied to the creation of a broader public understanding of the important responsibilities the power-supply industry must assume in the complex economy of today. The Commission for example is making an important contribution towards the reduction and control of air pollution. In the achievement of this purpose, the Commission's position of leadership in the development of nuclear-electric generating capacity will certainly be a major factor.

## REPORTS FROM THE REGIONS

### Western Region

There were continuing evidences in the Region of the beneficial effects of the Canada-United States Automotive Products Agreement. These beneficial effects had been apparent for the most part in the west section in 1965, but in 1966 they had spread to the eastern extremity of the Region as far as Woodstock. During the next five years, industrial expansion in Woodstock, largely as a result of the Agreement, is alone expected to add approximately as many kilowatts in non-coincident peak loads as the present average load requirement of the city as a whole.

Major distribution system rebuilding projects were undertaken in Comber, Forest, Goderich, Lambeth, and Tavistock, while street-lighting improvements were completed in Belle River, Chatham, Dresden, Dutton, Thorndale, and Tillsonburg. Underground residential distribution systems were installed for the first time on a planned basis in Amherstburg, Embro, Essex, Harrow, and Kingsville.

### Niagara Region

A number of major electric-heating installations were made during the year. In Dundas, 2,000 kw of electric heating were installed in a new secondary school. An industrial customer in Fergus completed the construction of a new plant and installed 2,000 kw of electric heating. In the village of Ayr, electric heating was installed in eleven out of a total of twelve residences completed during the year. In Burlington, 119 electrically heated houses were added to the distribution system, while in Bridgeport and Port Colborne, Medallion all-electric subdivisions were undertaken.

In order to meet the requirements of industrial load growth, a new municipally owned 40,000-kva transformer station was placed in service in Kitchener, and new substations were completed in a number of municipalities, including Burlington, Brantford Township, and Dunnville. The Hamilton Hydro-Electric Commission completed the construction of a new 10,000-kva substation to replace an old substation of the same capacity, and increased the capacity of its Eastmount substation by 5,000 kva. In addition, the Hamilton utility installed five miles of 13-kv underground cable and constructed four miles of underground duct banks for distribution and subtransmission cables.

There was considerable improvement in street-lighting facilities. In Burlington, modern lighting was installed throughout the main shopping area. Approximately 16,500 mercury-vapour street-lighting units were installed in Hamilton. Port Rowan completed a major rebuilding of the street-lighting system by installing mercury-vapour lamps as a centennial project.

The Police Village of Smithville was dissolved late in 1966, and the operation of its electrical facilities was subsequently transferred to the South Grimsby Township Public Utilities Commission. The voltage of the local distribution system had been changed during the year from 4 kv to 8 kv.



## Central Region

There is a noticeable trend toward the use of higher-distribution system voltage as more of the major rapidly expanding municipalities undertake the construction of 13.8-kv distribution systems within their boundaries. The Oshawa Public Utilities Commission plans to construct all new lines for operation at 13.8 kv, and eventually to change the major part of the municipal system from the present 4-kv voltage level. In the rapidly expanding section of Scarborough Township north of the Macdonald-Cartier Freeway, the municipal Commission continued an extensive program of installing 13.8-kv distribution facilities. The Toronto Township

Hydro - Electric Commission changed the Forest Glen all-electric subdivision from 4-kv to 13.8-kv operation, and plans to extend distribution at the higher voltage throughout other areas in the township.

The Scarborough Public Utilities Commission extended its office facilities by an electrically heated two-storey addition in order to accommodate its growing engineering and office staff. Although the original office building was constructed in 1954, it is sufficiently modern in appearance to permit the acceptable blending of the old architecture with the new.

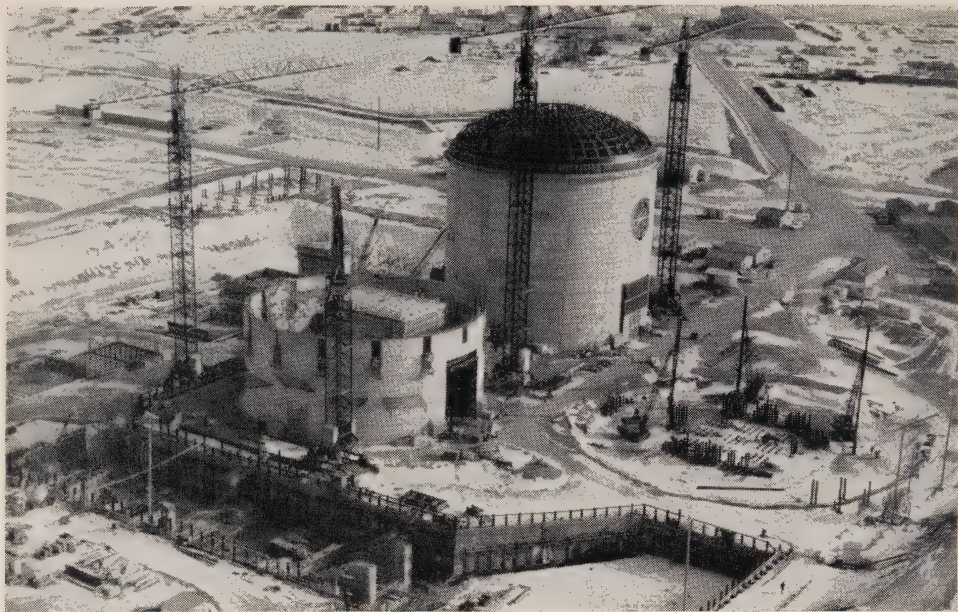
The construction of electrically heated apartment and office buildings continued at a rapid pace throughout 1966 in the City of Toronto. In the all-electric St. James Town project, over 1,500 of the ultimate 5,000 suites were either completed or nearing completion. Two other apartment projects were under construction for the ultimate provision of 826 all-electric suites. In

addition, two all-electric office buildings with expected demands of 1,700 kw and 2,200 kw respectively were nearing completion at the end of the year.

The first of the permanent services to be supplied to the extensive new Queen's Park office complex of the Provincial Government was connected in March 1966.



**TRANSFORMER BEING INSTALLED IN VAULT AT ST. JAMES TOWN PROJECT** — Ten high-rise buildings will be open to tenants by 1968 at this all-electric city within a city, the largest all-electric apartment project in Canada. Each suite of the 1,500 available at the end of 1966 has radiant ceiling cables with individual thermostat control in each room. Radiant wall-insert heaters are used in bathrooms. Heat exchangers located on the roofs recover 75 to 80 per cent of the heat exhausted from apartments, and transfer it to fresh air used in pressurizing building corridors.



PICKERING GENERATING STATION — By the end of 1966, this nuclear-electric project on the shore of Lake Ontario just east of Metropolitan Toronto was well under way. The cylindrical concrete structures shown at different stages of construction are the reactor buildings for two 540,000-kilowatt units, one of which is expected to be ready for service in 1970, and the other in 1971.

The entire project, which will cost an estimated \$50 million, will consist of four major towers, the tallest of which will be 28 storeys in height. Facilities provided by the Toronto Hydro-Electric System will be required to meet an expected demand of 10,000 kw upon completion of this project.

In 1966, the peak load of the Toronto Hydro-Electric System reached 751,434 kw, which represents an increase of 40,876 kw or approximately 5.75 per cent over the peak established in 1965. To meet this increasing load, and to improve its distribution-system facilities, the utility installed 23.4 miles of underground 13.2-kv power cable for network primary feeders and for supply to seven large power service customers. In addition, approximately 83.5 miles of lower-voltage power and control cables were installed underground. The underground conduit system in the city was extended by the installation of 37.6 miles of duct, together with the associated access and transformer-vault facilities. The total length of underground duct owned by the Toronto Hydro-Electric System at the end of year was approximately 2,446 miles.

### **Georgian Bay Region**

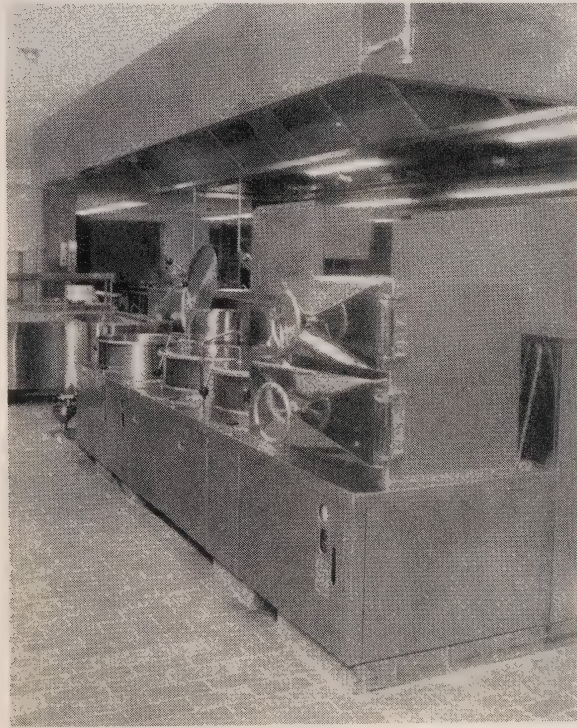
With the support of Government incentives, growth in the vicinity of Midland, Collingwood, and Owen Sound increased markedly during the year. In Midland,



a new plant with a load of 10,000 kw became a direct customer of the Provincial Commission. A large rubber manufacturer established two plants, one in Collingwood with a load of 3,000 kw, and one in Owen Sound with a load of 1,000 kw. In other parts of the Region, new substations to supply increasing loads were erected in Alliston, Bobcaygeon, Bradford, and Penetanguishene. In order to provide additional office and stores space, the Lindsay Hydro-Electric Commission remodelled and improved its administration quarters.

## **Eastern Region**

Expanded office and service-building facilities were provided in several utilities throughout the Region. In Belleville, the utility occupied a new electrically heated



Speed, flexibility, precise control of temperature, and ease in cleaning are the outstanding features of this electric-cooking equipment installed in the all-electric Champlain College, Trent University.

service centre with approximately 25,000 square feet of floor area, which included space for sixteen trucks, meter test and repairing facilities, utility stores, assembly room for the trades staff, and an administration office for the trades staff. The Gloucester Township Hydro-Electric Commission moved into new rented accommodation in March, and in Nepean Township, the construction of a new office and warehouse building for the municipal electrical utility was approaching completion by the end of the year. Both the Peterborough Utilities Commission and the Prescott Public Utilities Commission completed renovations to their office buildings. In Prescott, this renovation included the installation of new lighting and electric heating, as well as an attractive display area for water heaters and

electric-heating units. The Peterborough Utilities Commission purchased the electrical distribution facilities in an annexed area near Trent University. New 44-kv line and substation facilities were completed for the permanent supply to the university and to a new secondary and vocational school, both of which are completely electrically heated.



The progress of major capital construction by the Kingston Public Utilities Commission included the extension of the 44-kv network and the 4-kv distribution system. Extensions were also undertaken to the underground distribution system,

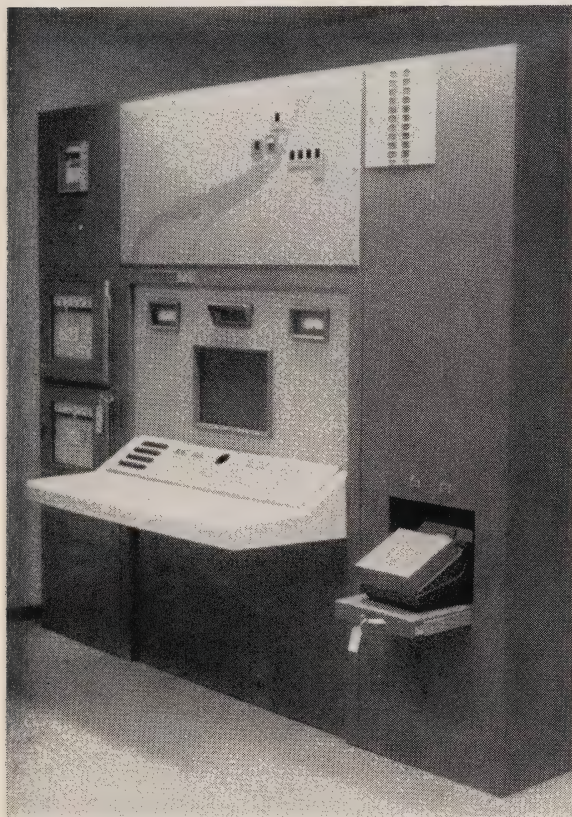
both for new subdivisions and in the commercial area. The Kingston Commission purchased approximately eight acres of land, where a depot will be provided for field trucks, warehouse, and workshops. The removal of these operations from the main office area is expected to reduce traffic problems and increase efficiency.

In Ottawa, the local Commission continued its program for the replacement of overhead distribution facilities by underground installations, in co-operation with the City of Ottawa and the Federal Government.

### **Northeastern Region**

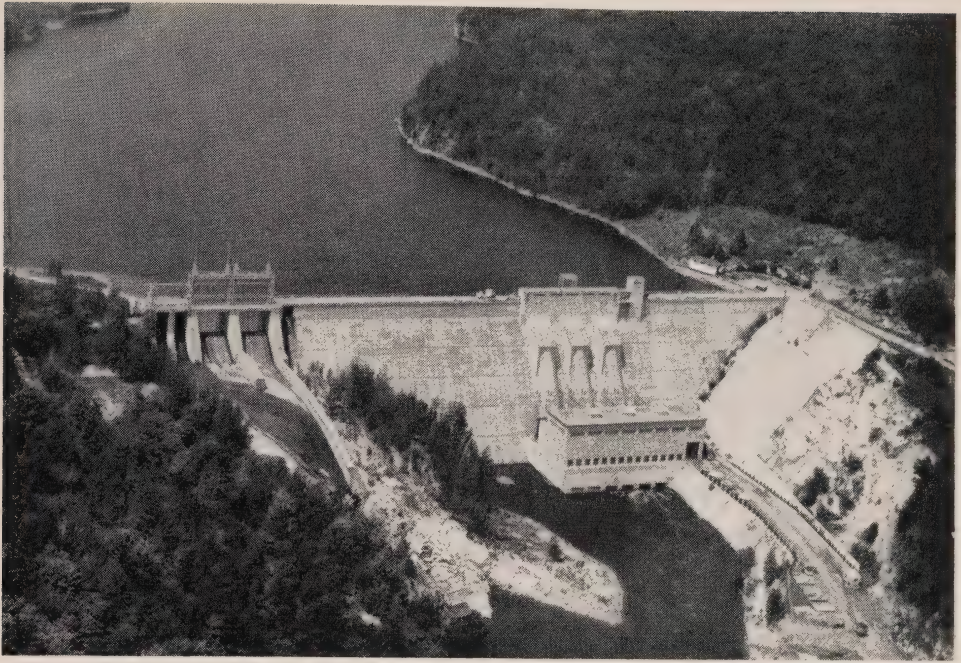
The rapid growth of base-metal mining, together with the expansion of the pulp and paper industry, stimulated the economy of the entire Northeastern Region.

An item of major significance in Sudbury was the successful negotiation for the utility's first all-electric sub-



**CENTRAL CONSOLE FOR AIR-CONDITIONING EQUIPMENT AT TRENT UNIVERSITY** — This equipment at Trent University permits an operator to observe the comfort conditions being maintained by the heating and air-conditioning systems in the various buildings on the campus. The systems can be stopped, started, or adjusted as required from this single point. A scanner continuously monitors the systems, and an "alarm" printer, shown at the right, provides a record of any faults occurring on the systems.

division. Electric heating was also installed in 30 low-rental housing units. In Chappleau Township, the average energy consumption per residential customer increased by more than 55 per cent in 1966. Lower retail rates had been introduced in this community in September 1965 shortly after the local utility had entered into a cost contract with the Commission. The distribution-system voltage in South River was changed from 2.3 kv to 25 kv. New substations were placed in service in Widdifield and West Ferris Townships. A modern street-lighting system making use of mercury-vapour units was installed throughout the municipality of Latchford.



STEWARTVILLE GENERATING STATION — On the Madawaska River about 17 miles down stream from Barrett Chute Generating Station, this station has been in operation since 1948. It is being extended by the addition of two 45,900-kw units. Towards the end of 1966, a beginning was made on the excavation of concrete from the dam to provide openings for the intakes required for the new units.

### **Northwestern Region**

The Town of Kenora, formerly served by The Ontario-Minnesota Pulp and Paper Company, entered into a cost contract with the Commission, but the first delivery of power under the contract will follow the completion of new 115-kv facilities early in 1967. Negotiations were completed with the Red Rock Hydro System to change its distribution-system voltage from 2.3 kv to 12 kv.



## SECTION IV

### PLANNING, ENGINEERING, AND CONSTRUCTION

**D**URING 1966, new generating units with a total rated capacity of 474,360 kilowatts were brought into operation on the Commission's East System. These included one 300,000-kilowatt coal-fired thermal-electric unit at Lakeview Generating Station near Toronto, two 62,700-kilowatt hydro-electric units at Kipling Generating Station on the Mattagami River in northeastern Ontario, and three combustion-turbine generators with a total rated capacity of 48,960 kilowatts, installed at transformer stations in Metropolitan Toronto and Sarnia.

The total new capacity added during the year, though quite impressive, still falls somewhat short of the additions that will have to be made at an accelerating rate during the next few years in order to meet the expansion in requirements on the system, which is forecast to continue at a very rapid rate. To meet these expanding requirements, two projects were added to the Commission's capital construction program during 1966. The larger of the two is Nanticoke Generating Station on the shore of Lake Erie near Port Dover, where four 500,000-kilowatt coal-fired thermal-electric units are to be installed, with the first scheduled to be brought into service in 1971. The other is Aubrey Falls Generating Station on the Mississagi River northeast of Sault Ste. Marie, where two hydro-electric units with a total tentative capacity of 130,000 kilowatts are to be placed in service in 1969.



During the six-year period ending in 1972, new generating units are scheduled to be brought into operation with a total rated capacity of 5,852,680 kilowatts. This includes 3,900,000 kilowatts to be provided by coal-fired thermal-electric units, 1,280,000 kilowatts in nuclear-electric units, 472,900 kilowatts in hydro-electric units, and 184,780 kilowatts in combustion-turbine generators which are to be installed at a number of transformer stations and generating stations on the East and West Systems. The combustion-turbine units, which can be purchased and installed relatively in a very short time, are all to be in operation before the end of 1967.

Detailed comments on the various projects now under way, and on some plans for the future are included in the subsection *Progress on Power Developments* which follows. This is supplemented by a definitive report on Kipling Generating Station, placed in service in 1966, and by brief notes on transformer-station and transmission-line construction.

### **Office and Service Buildings**

The Commission built new office and service centres for two of its administrative areas during 1966. One of these, at Bowmanville, was placed in use in May, and the other, at Wyoming, was occupied by the staff of the newly established Lambton Area in September. Both centres are completely electrically operated. The centre at Wyoming includes a heat-pump system which provides winter and summer air conditioning.

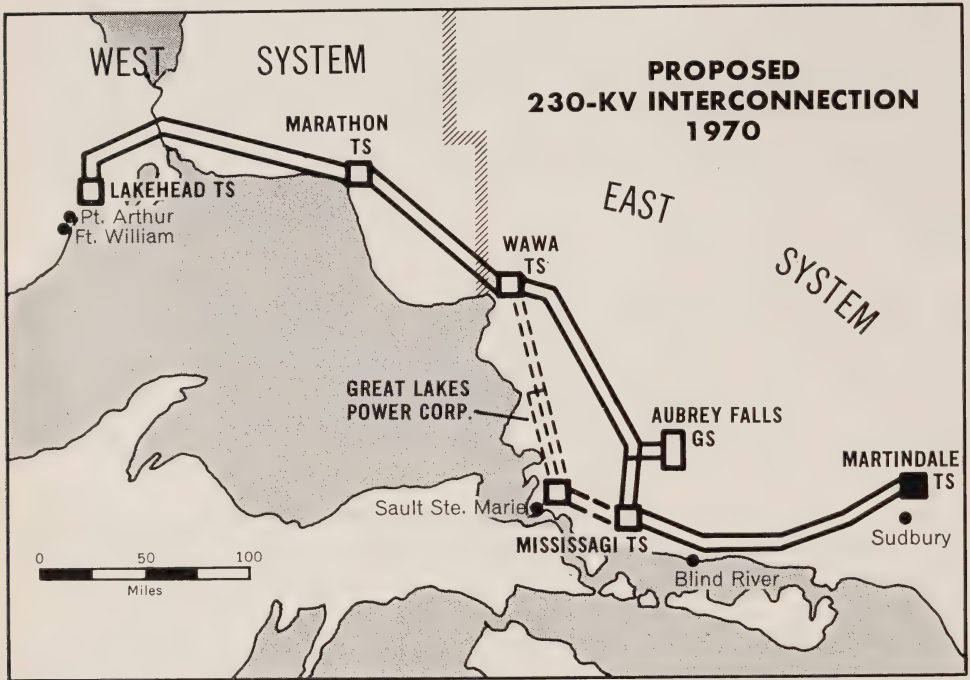
An information centre was constructed at the Pickering nuclear-electric project just east of Metropolitan Toronto. The centre includes an observation platform, displays which outline the history of nuclear energy and demonstrate the nuclear-electric process, and a 150-seat theatre, where films on nuclear energy are shown to visitors. Two other projects, begun in 1966, are scheduled for completion in 1967. One of these is a community building for the residents of the Abitibi Canyon Colony. The other is the new conference and development centre, under construction near Orangeville about 55 miles northwest of Toronto.

### **Interconnection of the East and West Systems**

The Commission's East System has 17,023 circuit miles of transmission line, and power resources with a total dependable peak capacity of about 7,785,000 kilowatts. The West System has 2,319 circuit miles of line and 678,800 kilowatts of dependable capacity. Both systems are electrically interconnected with power systems in adjoining parts of Canada or the United States. However, the two systems are not themselves interconnected, and in the rugged and sparsely populated country along the northeastern shore of Lake Superior, where an interconnection can most conveniently be completed, they are separated by a gap of almost 300 miles.

In the West System, a series of substantial annual increases in the demand for electricity, and expectations that this trend would continue, led in 1957 to the decision to build the coal-fired thermal-electric Thunder Bay Generating Station.

Growth at this rapid rate, however, came to a halt in 1959, and there was therefore no need to initiate further projects for the provision of additional generating capacity beyond those already underway until 1965, at which time studies indicated that new resources would be required by 1967. To meet system requirements indicated for late 1967, the Commission plans to install two combustion-turbine generators, each with a capacity of approximately 11,000 kilowatts, at Thunder Bay Generating Station.



In the 1965 studies, consideration was given to two basic plans for providing the additional resources that would be necessary in later years. One was to continue to operate the West System separately from the East System, and to install in the West System the thermal-electric and hydro-electric generation necessary to meet its advancing requirements in isolation from the East System. The other was first to construct an interconnection with the East System, and subsequently to install in the West System additional generating capacity as needed to meet growing system requirements with the interconnection in service.

An economic comparison showed that the second alternative would result in capital and operating costs lower than those based on continued development of the West System in isolation from the East System. A major factor in this comparison was that the West System, with the interconnection in service, would require a smaller total generating capacity, since reserve capacity would be available from the East System. A second major factor was that the economic penalties arising from the periodic and normally unavoidable provision of over-capacity

in an isolated West System would be reduced. Over-capacity occurs when new capacity, generally added in large units, exceeds the increment required to meet the immediate needs of the system. With the interconnection in service, any excess capacity in the West System could be used in the East System. Other considerations also favoured the establishment of an interconnection. There would be less adverse effect when actual loads vary from the forecast used as a basis for planning, there would be greater flexibility in scheduling new generation, there would be possible savings as a result of diversity in load between the two systems, and the costs of providing service to new loads in the vicinity of the interconnection would be lower. Further, the construction period would be shorter for an interconnection than for a new hydro-electric or thermal-electric generating station.

The facilities proposed are shown in the diagram on page 56. Upon completion, now tentatively scheduled for the fall of 1970, the interconnection will include two 230-kv transmission circuits extending from R. H. Martindale Transformer Station at Sudbury in the East System westward and northward to a transformer station in the West System at the Lakehead in the vicinity of Fort William and Port Arthur. Including the 300-mile gap between the systems, these circuits will traverse a total distance of 525 miles.

The interconnection will be constructed in three major stages, which are scheduled to be completed during the period 1968-1970. The Commission and the Great Lakes Power Corporation, which also will benefit from the interconnection facilities, have entered into an agreement providing for the use of certain of the Corporation's facilities as part of the stages to be completed in 1968 and 1969.

The facilities planned for service in the fall of 1968 will link R. H. Martindale Transformer Station at Sudbury in the East System with the Corporation's main load centre at Sault Ste. Marie, and in turn the Corporation's generating facilities in the Michipicoten area with a new transformer station at Marathon in the West System. As part of this stage, the Corporation will build a 230—115-kv transformer station at Sault Ste. Marie, and the Commission will build the initial facilities for a new station in the Michipicoten area, to be known as Wawa Transformer Station. The Commission will build a 38-mile double-circuit section of 230-kv line from the Blind River area to George W. Rayner Generating Station and a 106-mile section of 230-kv line from Wawa Transformer Station to Marathon, the latter line to be operated initially at 115 kv. These new facilities will supplement three transmission-line sections already in service, the Commission's 230-kv circuit from Sudbury to Blind River, the Great Lakes Power 230-kv circuit from George W. Rayner Generating Station to Sault Ste. Marie, both now operated at 115 kv, and the Corporation's 115-kv circuits from Sault Ste. Marie to the Michipicoten area.

The eastern section of the interconnection will be augmented in the spring of 1969 by the provision of a second 230-kv wood-pole line from R. H. Martindale Transformer Station to the Blind River area and a similar line to complement



Summary of the Power Development Program  
as at December 31, 1966

<i>System and Development</i>	<i>Number of Units</i>				<i>Installed Capacity</i>
	<i>In Service</i>		<i>Scheduled</i>		
					kw
EAST SYSTEM					
Lakeview—on the western outskirts of Metropolitan Toronto.....	5 TC	1961–1966	3 TC	1967–1968	2,400,000
Combustion-turbine Units—various sites.....	8 TCT	1965–1966	17 TCT	1967	290,700
Kipling—Mattagami River.....	2 H	1966			125,400
Douglas Point Nuclear Power—north of Kincardine.....			1 TN	1967	200,000
Mountain Chute—Madawaska River..			2 H	1967	139,500
Lambton—south of Sarnia.....			4 TC	1968–1970	2,000,000
Barrett Chute (Extension)—Madawaska River.....			2 H	1968	111,600
Aubrey Falls—Mississagi River.....			2 H	1969	130,000*
Stewartville (Extension)—Madawaska River.....			2 H	1969	91,800
Pickering—east of Toronto.....			2 TN	1970–1971	1,080,000
Pickering Diesel.....			3 D	1970–1971	15,000
			2 TC	1971–1972	2,000,000
Nanticoke—Lake Erie near Port Dover			2 TC	Not established	
WEST SYSTEM					
Combustion-turbine Units—Thunder Bay G.S.....			2 TCT	1967	22,000*

- TC indicates thermal-electric conventional.
- TN indicates thermal-electric nuclear
- TCT indicates thermal-electric combustion turbine.
- H indicates hydro-electric.
- D indicates diesel.

\* Tentative capacity.

the Corporation's 230-kv line from George W. Rayner Generating Station to Sault Ste. Marie. When these are placed in service, there will be two 230-kv circuits over the 180-mile distance from Sudbury to Sault Ste. Marie.

These earlier stages will not permit a full electrical interconnection to be made between the East and West Systems. The Wawa-Marathon circuits will, however, permit up to 50,000 kilowatts of power from the Corporation's stations in the Michipicoten area to be isolated for delivery to the West System, and the R. H. Martindale Transformer Station—Sault Ste. Marie circuits will permit the Commission to deliver an equivalent amount of power to the Corporation from the East System.

By the fall of 1969, construction of a double-circuit 230-kv line from Marathon Transformer Station to the Lakehead will be completed and 230—115-kv transformation will be installed both at the Lakehead and at Wawa Transformer Station. This will permit the East and West Systems to be electrically inter-connected, and will increase the capability for power transfer from the East to the West System to about 150,000 kilowatts. At about the same time, construction will be completed for the 230-kv Mississagi Transformer Station near George

## Expenditures on Capital Construction, 1957-1966

	Genera- tion	Transfor- mation	Trans- mission	Retail Distribu- tion	Other	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1957.....	151,738	17,302	19,295	17,581	2,776	208,692
1958.....	126,204	20,688	20,806	19,980	2,978	190,656
1959.....	98,251	20,788	12,159	19,996	2,910	154,104
1960.....	82,506	16,624	12,230	18,120	2,559	132,039
1961.....	77,939	10,693	11,446	18,954	4,624	123,656
1962.....	59,741	11,754	21,118	18,102	3,709	114,424
1963.....	49,301	12,109	22,391	18,073	6,283	108,157
1964.....	55,908	16,775	16,250	18,623	2,565	110,121
1965.....	90,420	18,734	19,727	18,066	3,004	149,951
1966.....	131,900	22,593	21,607	20,256	*14,908	211,264
Total.....	923,908	168,060	177,029	187,751	46,316	1,503,064

\*This figure includes investment in tools and equipment now classified as fixed assets but shown in previous years as current assets.

W. Rayner Generating Station. This station will improve the security and performance of the circuits between R. H. Martindale Transformer Station and Sault Ste. Marie, and, together with a new double-circuit 230-kv line extending about 36 miles north to Aubrey Falls Generating Station, will incorporate this new generating station into the system.

The last stage of the interconnection, tentatively scheduled for completion in the fall of 1970, will include a 100-mile double-circuit 230-kv line from Aubrey Falls Generating Station to Wawa Transformer Station. When this section is placed in service, a double-circuit 230-kv interconnection making use exclusively of Commission-owned facilities will permit power transfers between the East and West Systems of up to 200,000 kilowatts in either direction. In later years, the capability of the interconnection may be further increased by the addition of parallel line sections or other facilities.

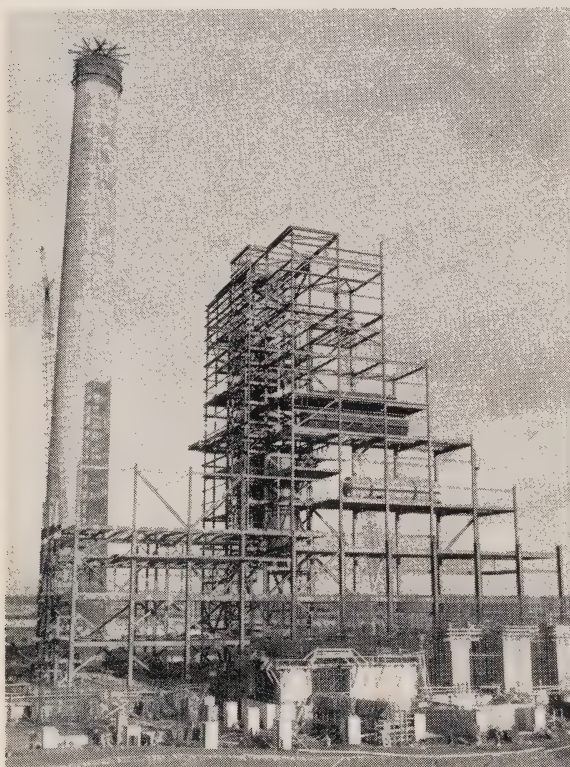
## PROGRESS ON POWER DEVELOPMENTS

Extensive investigations were carried out during 1966 with regard to the possible development of power projects on the Mississagi River, at Aubrey Falls and Gros Cap, and at the site of the George W. Rayner Generating Station. This led to a decision to proceed with the Aubrey Falls project; studies of the proposed Gros Cap and George W. Rayner developments were still in progress at the end of the year. Feasibility studies for a two-stage power and storage development on the Montreal River were continued, and preparatory work was undertaken for major investigations of possible developments on the White, Little Jackfish, and Madawaska Rivers.

## LAKEVIEW GENERATING STATION

<i>Location</i>	—On Lake Ontario just west of Metropolitan Toronto.
<i>Installed Capacity</i>	—2,400,000 kilowatts in 8 units, 60 cycles.
<i>In Service</i>	—One unit in each of the years 1961, 1962, 1964, 1965, and 1966.
<i>In-Service Schedule</i>	—Units 6 and 7 in 1967; Unit 8 in 1968.
<i>Estimated Cost</i>	—\$272,000,000 including generation, step-up transformation, and high-voltage switching at the site.

The final stages of installation of the fifth unit at Lakeview Generating Station were completed during the fall of 1966, and the 300,000-kilowatt



**LAMBTON GENERATING STATION** — At this project on the St. Clair River about 14 miles south of Sarnia, four 500,000-kw coal-fired thermal-electric units are to be installed. When the photograph was taken, in November, 1966, work was well advanced on the foundations, structural steel, and the chimney for the first two units. One of these is scheduled to be brought into operation in 1968, and the other in 1969.

coal-fired thermal-electric unit was placed in operation for the first time on December 17. The unit then continued to operate intermittently during commissioning tests scheduled to be completed in the spring of 1967.

During 1966, foundations and structural steel for Units 7 and 8 were completed, and the whole powerhouse building was finally closed in. Installation of the turbine-generators, boilers, and other components of Units 6 and 7 progressed satisfactorily, and erection of the boiler for Unit 8 was begun. A 200-foot extension to the dock was completed, providing improved weather protection for the ships of 27,000-ton capacity now carrying coal to the station. The installation of a second coal-conveyor system from the dock to the coal pile will enable these ships to unload coal at up to a maximum rate of 5,000 tons per hour.

To ensure that the large Lakeview Station units would not be lost to the system through transient transmission-line faults, the 230-kv switching at the station was rearranged. Major changes in the bus structures were required in conjunction with the conversion of the radial unit-line connections to a large ring bus, and the replacement of all installed circuit-breakers by units of larger



interrupting capacity. The work was completed early in the fall, and at the end of the year the five generating units and three outgoing transmission lines in operation were served by the new switching arrangement.

Before Units 3 and 4 could be operated at full rated capacity, modifications to the turbine blading were required. These modifications were completed by the manufacturer during the summer of 1966. Under an agreement with the manufacturer, further modifications to the turbine blading of these units, and also of Units 5 and 6, will be made in order to improve operating efficiency. However, because of the time required for the manufacture of new parts, the work on the units themselves will not be undertaken until 1968.

#### LAMBTON GENERATING STATION

<i>Location</i>	—On the St. Clair River in Lambton County, 14 miles south of Sarnia.
<i>Installed Capacity</i>	—2,000,000 kilowatts in 4 units, 60 cycles.
<i>In-Service Schedule</i>	—One unit in 1968, one in 1969, and two in 1970.
<i>Estimated Cost</i>	—\$217,800,000 including generation, step-up transformation, and high-voltage switching at the site.

Work on the Lambton Generating Station project proceeded on schedule during 1966. The extensive program of pile driving required to provide a foundation for all four units was finished by September. For Unit 2, the unit scheduled to be placed in service first, the placing of concrete for the massive turbine block was complete, and the erection of structural steel was nearly completed at the end of the year. The concrete shell for the 550-foot-high chimney, which will serve both Unit 1 and Unit 2, had also been constructed.

By the end of 1966, contracts had been awarded for the supply of all major components for the four 500,000-kilowatt units to be installed at the station. Orders placed during 1966 included those for the coal-handling system, the fly ash removal system, the water-treatment system, the control-room panels, and the station control computer.

#### NANTICOKE GENERATING STATION

<i>Location</i>	—On Lake Erie near Nanticoke about eight miles east of Port Dover.
<i>Installed Capacity</i>	—2,000,000 kilowatts in 4 units, 60 cycles.
<i>In-Service Schedule</i>	—One unit in 1971, one unit in 1972, two units not yet scheduled.
<i>Estimated Cost</i>	—\$242,700,000, including generation, step-up transformation, and high-voltage switching at the site.

In order to provide generating capacity necessary to meet forecast loads, the Commission decided in 1966 to proceed with the development of a large thermal-electric station at Nanticoke near Port Dover on Lake Erie. The site was

chosen on the basis of an examination of the relative merits of various sequences of construction at sites in widely separated parts of the system, and an investigation of foundation conditions at the site itself.

By the end of the year, preliminary geologic and topographic surveys had been completed, most of the property required had been purchased, and tenders had been called for the supply of the boilers and turbine-generators for the first two 500,000-kw units. Design of the station is now in progress, and construction is scheduled to begin in the spring of 1968.

#### PICKERING GENERATING STATION

<i>Location</i>	—On the shore of Lake Ontario in Pickering Township, east of Metropolitan Toronto.
<i>Installed Capacity</i>	—1,080,000 kilowatts in 2 units, 60 cycles.
<i>In-Service Schedule</i>	—One unit in 1970, and one in 1971.
<i>Estimated Cost</i>	—\$271,625,000 including generation, step-up transformation, and high-voltage switching at the site.

The capital cost of Pickering Generating Station will be more than twice that for a coal-fired station of the same capacity. The cost of the station with the two 540,000-kw units now scheduled is being financed jointly by the



**SAFETY PRECAUTIONS AT THE PICKERING GENERATING STATION** — These men, placing reinforcing steel for the concrete perimeter wall of one of the reactor buildings, wear safety belts, when working in otherwise unprotected areas, as a protection from falling. Nets, suspended about 20 feet below the working level, provide further protection. On completion the walls will be approximately 155 feet high.

Commission and the Provincial and Federal Governments. Under the financing arrangements, the Commission's share of the cost of the nuclear-electric station will be equivalent to the cost of a comparable coal-fired station. The returns to the Provincial and Federal Governments on their respective investments are expected to be fair and adequate, but the extent of these returns will depend on the finally established capital cost and the operating performance of the nuclear-electric station.

At the end of 1966, two units were scheduled for installation, one to be brought into operation in 1970 and the other in 1971. The fact that the site is suitable for a larger station, however, is a good basis for the Commission's expectation that the Atomic Energy Control Board will approve plans for the installation of additional units to be brought into service in later years. The cost of any units subsequent to the first two will be financed in full by the Commission.

By the end of 1966, contracts had been awarded for almost all of the major items of equipment. At the site, the major part of the pile driving and excavation for the various structures was completed, and concreting operations were well advanced for the cooling-water intake ducts, and the reactor buildings and turbine foundations for the two units.

#### DOUGLAS POINT NUCLEAR POWER STATION

Construction of Douglas Point Nuclear Power Station on the shore of Lake Huron between Kincardine and Port Elgin was completed in the fall of 1966. The reactor was then started up and a critical reaction was achieved for the first time on November 15. During the remainder of the year, the efforts of the project and commissioning staff were directed toward preparing the reactor for operation at higher power levels and making the turbine-generator and other components of the 200,000-kw unit ready for initial operation. This led to the operation of the unit for the generation of power for the first time early in January 1967.

The Douglas Point project is a co-operative enterprise of the Commission and Atomic Energy of Canada Limited. The Crown company developed the CANDU reactor used at the station, and the basic design of the station itself, and financed the project. The Commission built the station, acting as prime contractor, and initially it will purchase the power generated there from the Crown company. When certain operating requirements have been met satisfactorily, the Commission will purchase the station itself, at a price that will permit the energy output to be competitive with that of a modern coal-fired station.

The CANDU reactor at Douglas Point employs deuterium oxide, or heavy water, as a moderator and as a coolant, and natural uranium as a fuel. It is of the same basic design as the much smaller reactor that was placed in operation in 1962 at the Nuclear Power Demonstration plant at Rolphton on the Ottawa River. Both the 20,000-kw Nuclear Power Demonstration plant and the 200,000-kw Douglas Point Nuclear Power Station have in effect served as prototypes for

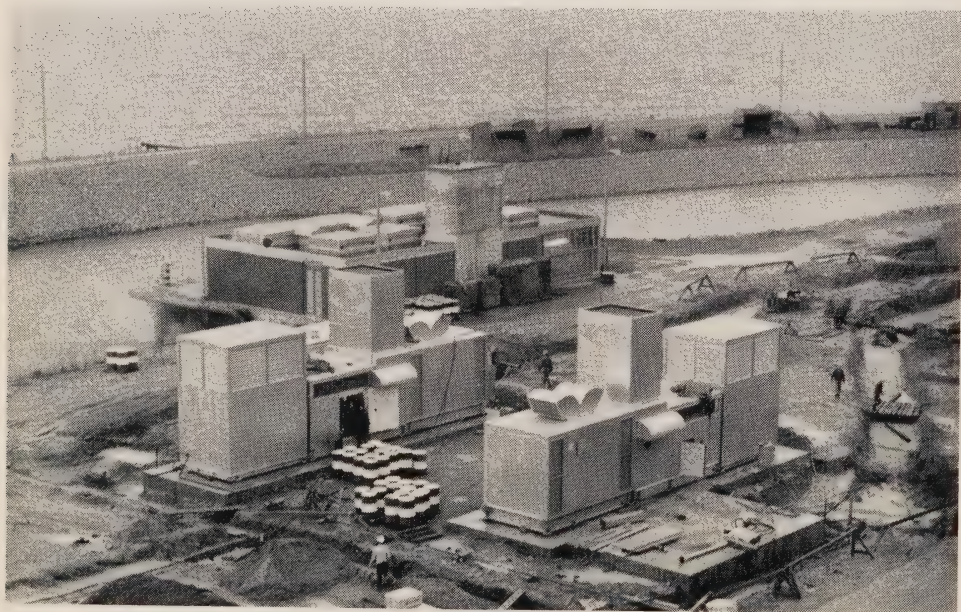


the much larger Pickering Generating Station, now under construction just east of Toronto, where the reactors will also be of the CANDU type. With application of the knowledge and experience gained on the two earlier projects, the Commission expects the 540,000-kw units at Pickering Generating Station to generate energy at a cost which, including fixed charges for full capital costs, will be somewhat lower than that for energy generated at a coal-fired station with units of similar size and recent design.

#### COMBUSTION-TURBINE GENERATORS

During 1966 the Commission continued the program for the installation of combustion-turbine generators, a program initiated in 1965 in order to provide a source of standby power for emergencies, and to contribute toward a more adequate margin of reserve capacity at times of peak loads during the current period of rapid load growth. Commissioning of the six units purchased in 1965 for installation on the East System was completed, and orders were placed for a further 19 units to be installed on the East System and for two units to be installed on the West System.

The new units purchased for installation on the East System included six 16,320-kw units and thirteen 7,500-kw units. Of the larger units, two were installed and placed in operation at Sarnia-Scott Transformer Station before the end of the year, and four were scheduled to be ready for operation at Detweiler



COMBUSTION-TURBINE GENERATORS — These machines, shown ready for trial runs, are two of four 7,500-kw units recently installed at Lakeview Generating Station. Together with similar or larger units installed at other thermal-electric generating stations and at several transformer stations, they will provide a source of reserve power for use at times of peak load. Capable of being started up quickly, they also serve as emergency standby units.

Transformer Station near Kitchener early in 1967. The thirteen 7,500-kw units were for installation at thermal-electric stations, where in addition to providing a source of reserve capacity, they could be used to supply start-up power for the much larger steam units. These combustion-turbine units, including four at Richard L. Hearn Generating Station, four at Lakeview Generating Station, four at Lambton Generating Station, and one at J. Clark Keith Generating Station, were all scheduled to be ready for operation early in 1967.

On the West System, two 11,000-kw combustion-turbines will be installed at Thunder Bay Generating Station in Fort William. These are to be ready for service in the fall of 1967.

#### AUBREY FALLS GENERATING STATION—MISSISSAGI RIVER

<i>Location</i>	—On the Mississagi River, about 45 miles northwest of Elliot Lake.
<i>Tentative Capacity</i>	—130,000 kilowatts in two units, 60 cycles.
<i>Rated Head</i>	—175 feet.
<i>In-Service Schedule</i>	—Two units in 1969.
<i>Estimated Cost</i>	—\$27,390,000, including generation, step-up transformation, and high-voltage switching at the site.

The decision to proceed with this project was taken in July 1966. Before the end of the year, one of several alternative plans for the development was finally selected, and a camp for about 350 men was built at the site. At Chub Lake, some miles to the south, work was begun on the construction of a colony that will accommodate about 125 families. This colony will serve not only the Aubrey Falls project, but also later developments farther down stream.

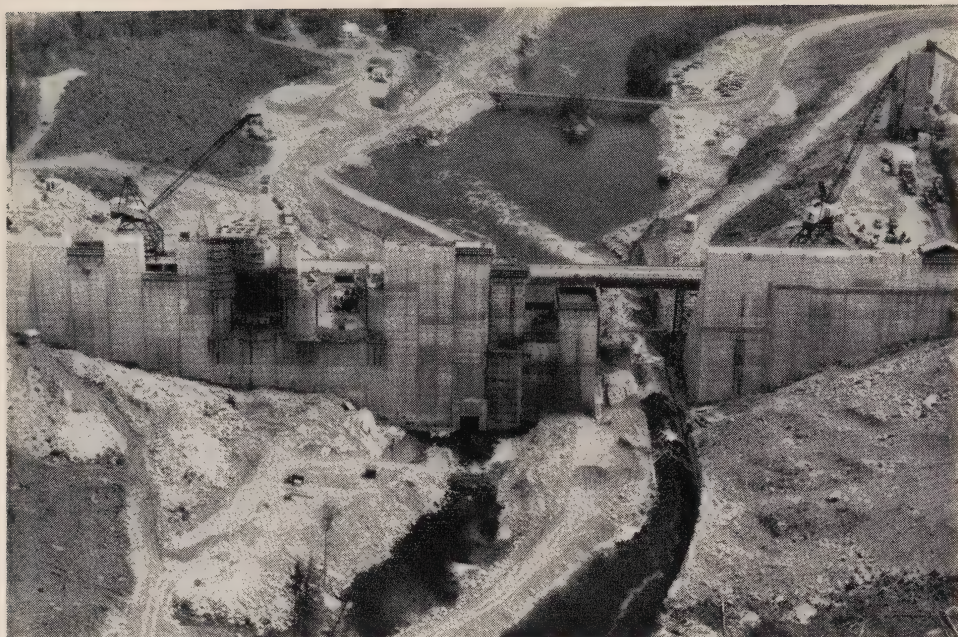
Aubrey Falls, which is approximately 100 feet high and is easily accessible from Highway 129, has been an attraction to tourists and visitors in the area for many years. The power development is being designed in a way that will preserve the natural beauty of the site, one requirement being the maintenance of a flow of at least 300 cubic feet per second over the falls during the daytime hours in the tourist season.

#### MOUNTAIN CHUTE GENERATING STATION—MADAWASKA RIVER

<i>Location</i>	—About 22 miles southwest of Renfrew and eight miles up stream from Barrett Chute Generating Station.
<i>Installed Capacity</i>	139,500 kilowatts in two units, 60 cycles.
<i>Rated Head</i>	—151 feet.
<i>In-Service Schedule</i>	—Two units in 1967.
<i>Estimated Cost</i>	—\$29,000,000, including generation, step-up transformation, and high-voltage switching at the site.

The Mountain Chute project, begun in 1964, moved rapidly towards completion during 1966. At the end of the year, two earth-fill dams, necessary





**MOUNTAIN CHUTE GENERATING STATION — MADAWASKA RIVER —** This view shows the upstream face of the main dam as it appeared in mid 1966 when the river still flowed through a diversion channel in a gap in the structure. On completion of the project, scheduled for late 1967, water will be carried from the intakes, which can be seen under construction at the left, through penstocks to two 112,000-horsepower turbines in a powerhouse at the base of the dam. The head will be approximately 150 feet.

at low points in the terrain north of the river, and the major part of the main concrete dam had been completed, and preparations were being made for flooding the headpond later in the winter. About 5,500 acres of the headpond area had been cleared as required. Draft tubes, scroll-cases, turbine embedded parts, the powerhouse crane, and much of the powerhouse superstructure and penstocks were complete.

Following installation of the turbines and generators during 1967, the two units will be placed in service late in the fall of that year.

Also on the Madawaska River, down stream from the Mountain Chute project, the Commission is preparing to install additional units at Barrett Chute and Stewartville Generating Stations, both of which were constructed and placed in service during the 1940's. The extension of the downstream stations will bring the total generating capacities and station flows of each closely into line with the capacity and station flow projected for Mountain Chute Generating Station, thus permitting the operation of all three stations as peaking plants with a minimum of water spillage and water-level fluctuation. Calabogie Generating Station, about six miles down stream from Barrett Chute Generating Station, is much older than the other two stations and operates at a relatively low head, and at present there are no plans to install additional units there. However, three power-operated



sluiceways will be installed to permit flows to be controlled so as to minimize water-level fluctuations in Calabogie Lake. These sluiceways, and the sluiceways and generating units at the other stations on the river will all be supervisory controlled from Chenaux Generating Station on the Ottawa River.

#### BARRETT CHUTE GENERATING STATION (EXTENSION)—MADAWASKA RIVER

<i>Location</i>	—About 18 miles south of Renfrew.
<i>Present Installed</i>	
<i>Capacity</i>	—40,800 kilowatts in two units, 60 cycles.
<i>Additional Installed</i>	
<i>Capacity</i>	—111,600 kilowatts in two units, 60 cycles.
<i>Rated Head</i>	—152 feet.
<i>In-Service Schedule</i>	—Both additional units in 1968.
<i>Estimated Cost</i>	—\$14,303,000, including generation, step-up transformation, and high-voltage switching at the site.

At Barrett Chute Generating Station, the headpond is contained by a control dam with eight sluiceways about a mile up stream from the powerhouse, which is situated on the left bank of the river. Water is conveyed to the headworks across a peninsula, formed by a wide bend in the river, through a canal about 2,000 feet long. The two additional units will be installed in an extension to the west end of the powerhouse, and the canal will be deepened to provide for an increase in flow from the headpond. During 1966, excavation for the



EXTENSION OF BARRETT CHUTE GENERATING STATION — Two 55,800-kw units are being added at this station on the Madawaska River. This will provide the station, which has been in operation since 1942, with a total capacity approximately equal to that of the units being installed at Mountain Chute Generating Station, under construction about eight miles up stream. The dust is raised by the rock drills in the foreground and on the rise to the right, preparing charge holes for rock blasting.

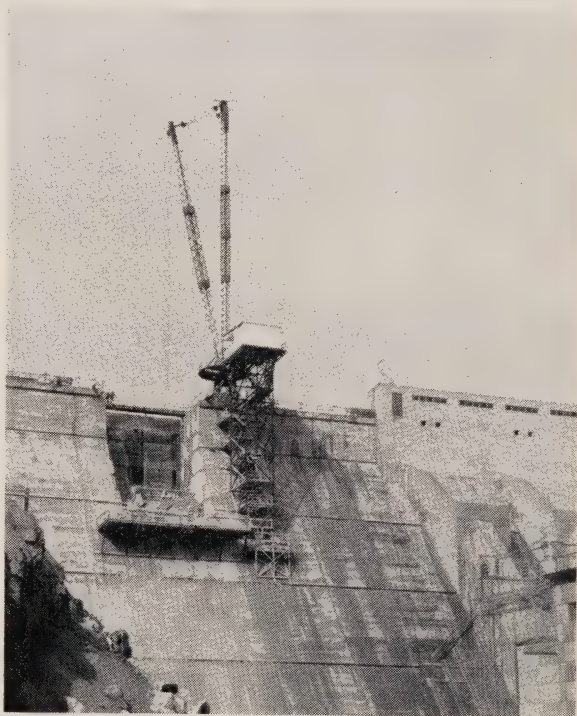
powerhouse extension was completed and the placing of concrete was begun. Excavation for the penstocks and headworks for the new units was well advanced at the end of the year. Orders were placed for the turbines and generators.

#### STEWARTVILLE GENERATING STATION (EXTENSION)—MADAWASKA RIVER

<i>Location</i>	—About eight miles west of Arnprior and 17 miles downstream from Barrett Chute Generating Station.
<i>Present Installed Capacity</i>	—61,200 kilowatts in three units, 60 cycles.
<i>Additional Installed Capacity</i>	—91,800 kilowatts in two units, 60 cycles.
<i>Rated Head</i>	—148 feet.
<i>In-Service Schedule</i>	—Both additional units in 1969.
<i>Estimated Cost</i>	—\$11,556,000, including generation, step-up transformation, and high-voltage switching at the site.

At Stewartville Generating Station, the spillway sluices, and the headworks, penstocks, and powerhouse substructure for the three 20,400-kilowatt units now in service are included in a single concrete structure which spans the river valley.

In 1966, a beginning was made on the excavation of concrete from this original structure to provide openings for the intakes for the new units. As the close proximity of electrical equipment in service precludes the use of explosives, the concrete is being removed by careful procedures resembling block quarrying. A special steel cofferdam, sealed to the upstream face of the dam, permits this work to be carried out without lowering the headpond or shutting down the units now



At Stewartville Generating Station on the Madawaska River, this crane is lifting blocks of concrete, cut out of the dam, and depositing them in the headpond. The operation is part of the work required to provide intakes for two new generating units at the station.

in service. Construction of the downstream cofferdam, required to permit the powerhouse substructure to be extended to accommodate the new units, was also begun. Orders were placed for the turbines, the penstocks, and the headgates.



# ABITIBI CANYON GENERATING STATION—ABITIBI RIVER

Because of a decline in requirements for 25-cycle power among industrial customers in the Northeastern Region, the Commission replaced the 25-cycle generator and transformer that had been in service in Unit 5 at Abitibi Canyon Generating Station with new 60-cycle equipment rated at 48,000 kva. Similar 60-cycle equipment had been installed in Unit 3 in 1959. The remaining three units at the station will be changed to 60-cycle operation as the demand for 25-cycle power in the Northeastern Region declines.

## KIPLING GENERATING STATION

The placing in service of Kipling Generating Station on the Mattagami River early in the summer of 1966 marked the completion of the Commission's current program for the development of the Abitibi and lower Mattagami Rivers, both of which are tributaries of the Moose River flowing into James Bay. Projects in the program which had been completed previously were Harmon Generating Station, on the Mattagami River up stream from Kipling Generating Station, where two units were placed in service in 1965, Little Long Generating Station, farther up stream on the Mattagami, where two units were placed in service in 1963, and Otter Rapids Generating Station, on the Abitibi River, where two units were placed in service in 1961, and two in 1963.

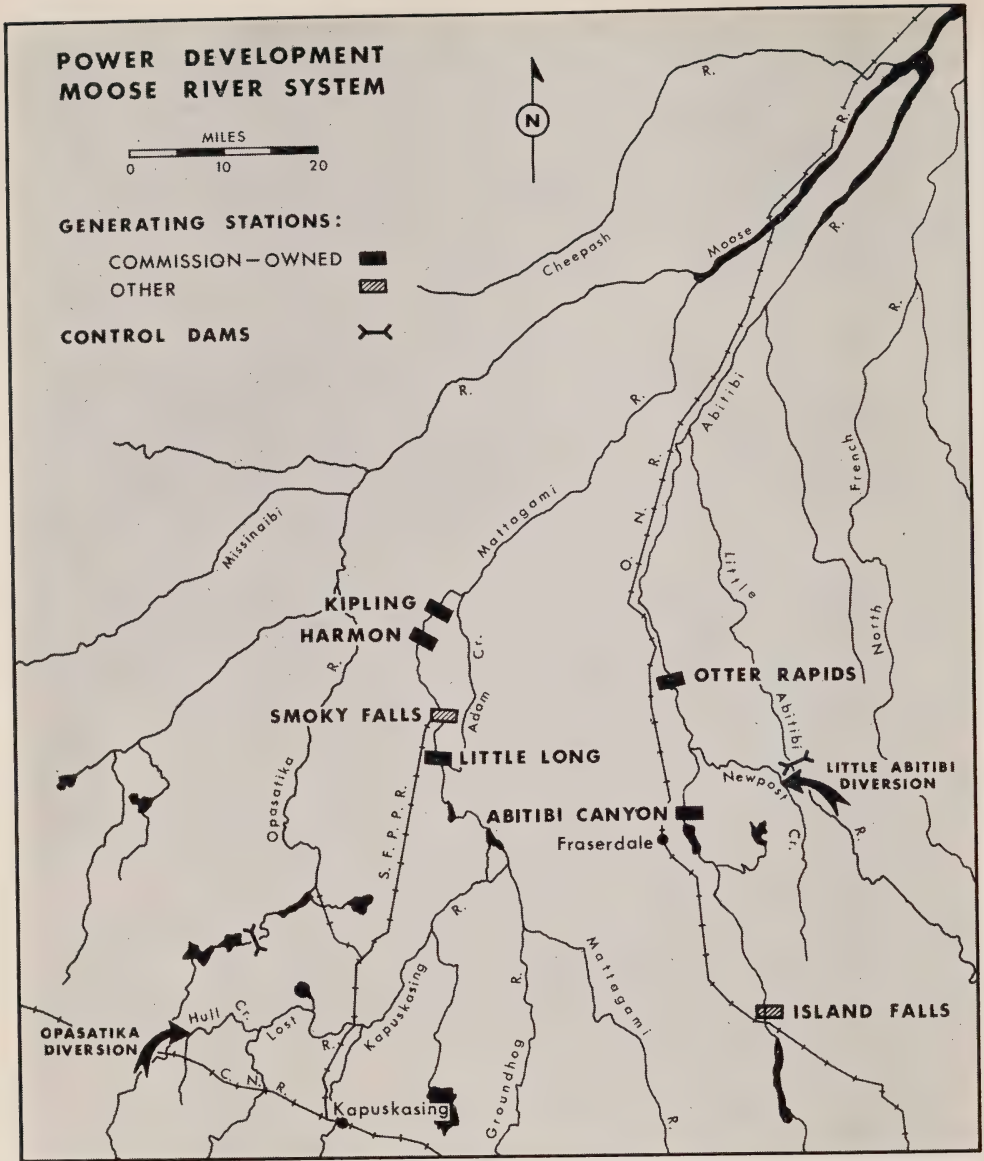
### KIPLING GENERATING STATION—MATTAGAMI RIVER

<i>Location</i>	—About 58 miles north of Kapuskasing and three miles down stream from Harmon Generating Station.
<i>Installed Capacity</i>	—125,400 kilowatts in two units, 60 cycles.
<i>Rated Head</i>	—102 feet.
<i>In Service</i>	—Unit 1, June 29, 1966; Unit 2, July 5, 1966.
<i>Actual Cost</i> <i>at December 31,</i> <i>1966</i>	—\$24,244,558, including generation, step-up transformation, and high-voltage switching at the site.

The rated capacity of the units now installed at the three Mattagami River stations and at Otter Rapids Generating Station on the Abitibi River totals 551,000 kilowatts. With these units in service, the four stations are expected to operate at an average annual load factor of about 60 per cent. At each station, however, provision is included in the headworks for the installation of further units, which at some future date would double its present rated capacity. The stations would then be operated at a lower load factor, providing energy to the system for only short periods of each day over the time of peak requirements.

All four stations are supervisory controlled from Pinard Transformer Station near Abitibi Canyon Generating Station, where a colony provides accommodation for operating and maintenance staffs and their families. Power from the four stations is transmitted at 230 kv over the relatively short distance to Pinard Transformer Station. There it is stepped up to 500 kv for transmission over the





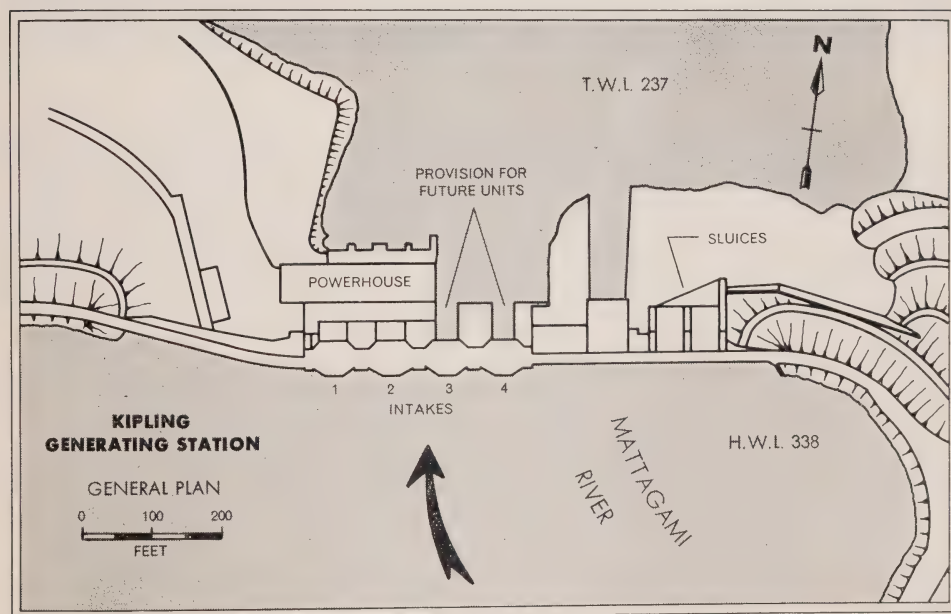
extra-high-voltage line to load centres in northeastern and southern Ontario. The development of the far northern hydro-electric sites was economically viable only when the provision of these extra-high-voltage facilities became feasible.

A brief review of the development of plans for the Mattagami River projects was included in the Annual Report for 1963 in a descriptive article dealing with Little Long Generating Station, to which the reader may refer. The geography and geology of the Mattagami River watershed described there apply equally to the sites of all three of the recent projects on the river.

Employees engaged in the construction of all three projects on the Mattagami River were housed in a colony at the Little Long project site. Those working at the downstream sites were carried to and from work by bus. As the Little Long project approached completion, a new administration and service area was established at about the mid point of the access road between the Harmon and Kipling Generating Station sites, and the crusher plant, concrete mixing plant, and most of the other service facilities originally established at the Little Long site were dismantled and reassembled at this new site. Work on the Kipling Generating Station project itself was begun in the fall of 1963.

## The Dam

Kipling Generating Station consists essentially of a concrete power dam terminating in earth dams which extend to the natural soil banks at each side of the river. The concrete structure, totalling approximately 1,000 feet in length, includes a four-unit headworks and a two-unit powerhouse section in the river channel, from which gravity sections extend to the earth dam on the west bank, and to a two-sluice spillway structure on the east bank.



The earth dams are constructed mainly of natural materials available locally. Each has a compacted impervious core flanked by compacted granular fill, and protected from water action by rip-rap obtained from rock excavations on the project site. The earth dam on the west bank is approximately 2,600 feet long, and that on the east bank is about 760 feet long.

A two-stage method was used to control the river flow while the dam was under construction. In the first stage, with the river flowing in its normal



**KIPLING GENERATING STATION — MATTAGAMI RIVER** — The scrollcases for Units 1 and 2 can be seen in various stages of assembly near the centre of this view of the project, which shows the progress of work in the powerhouse and headworks area early in the summer of 1965. As work on the project continued, the massive concrete structure rose to completion by the end of 1965, and the two units were made ready for service by July, 1966.

channel, a diversion channel was excavated through the rock of a peninsula projecting from the east bank. A concrete portal structure with two diversion ports, which were designed to permit use of the same dewatering gates that had been used at the Red Rock Falls, Little Long, and Harmon projects, was then built in the diversion channel. In the second stage, upstream and downstream cofferdams were built in the river channel, and the headworks and powerhouse were built in the enclosed area. The diversion of excess flows through the control structure at Little Long Generating Station and down Adam Creek, permitted the flow of the river passing through the diversion ports during this stage to be restricted to a maximum of 20,000 cubic feet per second.

### **Headworks and Sluiceways**

The headworks section includes four water intakes—two on the western side to serve the two units now in operation, and two on the eastern side to provide for units which may be installed in the future. Each unit intake has three entrances from the forebay. The passages from these three entrances merge into a single passage, which at the headgate is rectangular and 37 feet high by 28 feet wide. This changes in a concrete transition section to a circular passage, 28 feet in diameter, at the point of juncture with the steel penstock. For Units 1 and 2, a short length of penstock provides the connection with the welded



steel scroll-case of the turbine. For Units 3 and 4, the headworks is carried only to the downstream end of the concrete transition section, where provision is made for the later installation of a steel penstock. Post-tensioned anchors were used in this part of the structure to provide stability which would otherwise be less than adequate until Units 3 and 4 are installed.

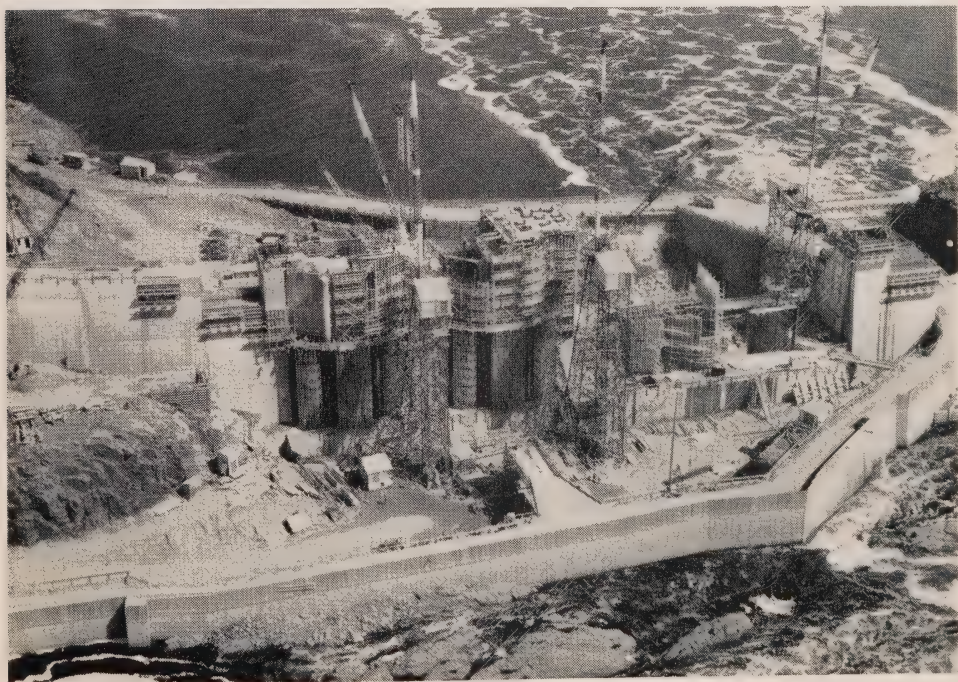
The headgates for Units 1 and 2 are operated by motorized hoists mounted at deck level and enclosed in heated housings covered with aluminum sheeting.

The sluiceway section, located on the east bank, includes two 40-foot-wide sluiceways, each of which is capable of passing a flow of 20,000 cubic feet per second. The sluiceways are motor-operated by remote control. The interior of each gate is heated to prevent ice from bonding to the upstream face.

Hoisting service both for the headworks and for the sluiceway sections is provided by a 50-ton mobile crane, which is also used for this purpose at the other two Mattagami River Stations.

### Powerhouse

The powerhouse, on a reinforced concrete substructure built on bedrock, is covered with aluminum sheeting on a steel superstructure. It is approximately 55 feet wide and 220 feet long, including the erection bay. Hoisting service is



**KIPLING GENERATING STATION — MATTAGAMI RIVER** — This aerial photograph, taken from upstream in July 1965, shows the headworks and powerhouse under construction in a dry area enclosed by cofferdams extending from the west bank of the river. A view of the completed station in July 1966, with both units in operation, is the frontispiece of this Report.

provided by a 125/25-ton overhead travelling crane, which was supplied by Provincial Engineering Limited.

The two turbines, of the fixed-blade propeller type, were manufactured by Dominion Engineering Works Limited. Each is rated at 94,000 bhp, operating at a head of 102 feet with a flow of about 8,700 cfs. The runners are 248 inches in diameter. The generators, rated at 66,000 kva, 13.8 kv, 3 phase, 60 cycles, 100 rpm, 0.95 power factor, were supplied and installed by the Canadian Westinghouse Company Limited.

### **Power into the System**

The three single-phase, 60-cycle main power transformers, each rated at 30,000/40,000/50,000 kva, were supplied by Pioneer Electric Limited. Power generated at 13.8 kv is stepped up to 230 kv by these transformers for transmission to Pinard Transformer Station, the northern terminus of the extra-high-voltage line, about 40 miles away. From Pinard Transformer Station, supervisory control of Kipling Generating Station and the other three stations in the new complex on the Mattagami and Abitibi Rivers is maintained by very-high-frequency radio.

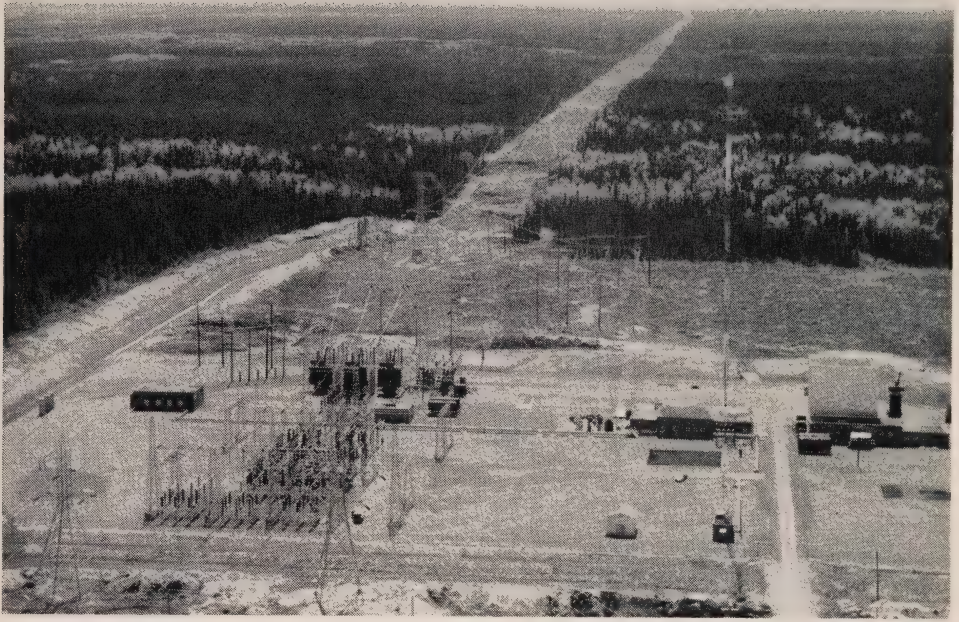
## **TRANSFORMER STATIONS**

### **Extra-High-Voltage Stations**

At Pinard Transformer Station, the northern terminus of the Commission's extra-high-voltage line, installation and testing of a 500—230—27.6-kv autotransformer bank consisting of three 200,000-kva, single-phase transformers were completed early in 1966. Unexpected problems were encountered, however, in the manufacturing and testing of the unusually large 360,000-kva, 500—230—27.6-kv, three-phase autotransformers to be used at Hanmer Transformer Station, near Sudbury, and at Kleinburg Transformer Station, the southern terminus of the line, near Toronto. This delayed the installation of the three-phase transformers at both stations, and required the continued operation of both the northern and the southern sections of the line at 230 kv for longer periods than had been originally intended.

The difficulties with the two three-phase autotransformers to be installed at Hanmer Transformer Station were overcome in the fall of 1966, and these units, together with two banks of single-phase, 41,666-kva, 500-kv shunt reactors, two 50,000-kva, 27.6-kv, three-phase shunt reactors, and three 500-kv circuit-breakers were placed in service, permitting the Pinard—Hanmer section of the ehv line to be changed over to 500-kv operation. At Kleinburg Transformer Station, temporary facilities were installed to by-pass the autotransformer positions so that power transmitted at 230 kv over the southern section of the ehv line could be transmitted further south over a new 230-kv line to Richview Transformer Station in western Metropolitan Toronto. The two autotransformers to be installed at Kleinburg Transformer Station are expected to be ready for service in the spring of 1967.





**PINARD TRANSFORMER STATION** — Power from Otter Rapids Generating Station on the Abitibi River, and from Little Long, Harmon, and Kipling Generating Stations on the Mattagami River is transmitted at 230 kv to this transformer station, where it is stepped up to 500 kv for transmission to load centres in northeastern and southern Ontario. The extra-high-voltage line, seen here stretching to the horizon, traverses a total distance of 435 miles to its southern terminus at Kleinburg Transformer Station, just north of Toronto.

### Western and Niagara Regions

In the London area, two 50,000/83,333-kva, 230—27.6-kv transformers were placed in service late in 1966 at the new London-Wonderland Transformer Station. At London-Nelson Transformer Station, preliminary steps were taken to arrange for the installation of two 45,000/75,000-kva, 115—13.8-kv transformers to replace two of smaller capacity, and at E. V. Buchanan Transformer Station work was begun on a program to replace sixteen 115-kv circuit-breakers with breakers of higher interrupting capacity.

Goderich Transformer Station, with two 15,000-kva, 115—27.6-kv transformers, was placed in service in the spring of 1966.

At Sarnia, grading was begun for the new Sarnia-Imperial Transformer Station, which is scheduled to be ready for service at the beginning of 1968 to supply a large industrial customer. The station will include two 50,000/83,333-kva, 230—27.6-kv transformers. The capacity of Sarnia-Vidal Transformer Station is being increased. Two 60,000/100,000-kva, 230—13.8-kv transformers,



scheduled to be in service in the spring of 1967, are being installed to supplement the 115—13.8-kv facilities already in service at the station.

At the Lambton Generating Station site, south of Sarnia, a temporary 115—27.6-kv station with one 25,000-kva transformer was placed in service in order to provide for load growth in the area until permanent 230—27.6-kv facilities are installed in 1968.

The capacity of Hamilton-Kenilworth Transformer Station was increased by the installation of two new 72,000/120,000-kva, 115—13.8-kv transformers. Two 40,000/66,666-kva transformers, previously in service at the station, were reconnected to serve as standby units. At Hamilton-Newton Transformer Station, the idle secondaries of the two 40,000/66,666-kva, 115—13.8-kv transformers were connected, thus increasing the capacity of the station.

The capacity of St. Catharines-Glendale Transformer Station is being enlarged in order to meet an increase in the requirements of a large industrial customer. Two 40,000/80,000-kva, 115—13.8-kv, three-phase transformers are being installed to replace four 15,000-kva transformers. One of the new transformers was in service before the end of the year.

### **Central and Georgian Bay Regions**

In the Metropolitan Toronto area, one of two 75,000/125,000-kva transformers to be installed at the new 230—27.6-kv Toronto-Finch Transformer Station was placed in service late in 1966. The other was scheduled to be ready for service early in 1967. Two new 115—13.8-kv transformer stations, Toronto-Charles and Toronto-Duplex, are to be brought into operation during 1967. Each of these stations will include two 45,000/75,000-kva transformers, and both stations will be operated by supervisory control from Toronto-Leaside Transformer Station.

At A. W. Manby Transformer Station, changes were made in the 230-kv line terminations and associated facilities to provide for the incorporation of Units 5 and 6 at Lakeview Generating Station. Three circuits from Lakeview Generating Station, those carrying the output from Units 1 to 6, now terminate at A. W. Manby Transformer Station. Facilities for terminating the 230-kv circuit which will carry the output from Units 7 and 8 at the generating station are being installed at Richview Transformer Station.

Work is progressing at Oshawa-Wilson Transformer Station where the initial installation of two 75,000/125,000-kva, 230—44-kv transformers is scheduled for service in 1967.

In the Muskoka area, property was purchased for a 230—44-kv station where two 25,000/41,666-kva transformers are scheduled to be placed in service in the spring of 1968. Beginning in 1969, the new station will be used as an operating centre for a number of generating and transformer stations in the area.

## Eastern Region

At the new 115—12-kv, indoor Ottawa-Hinchey Transformer Station, commissioning of the initial installation of two 45,000/75,000-kva transformers neared completion in 1966. One transformer was placed in service just before the end of the year, and the other was scheduled to be ready for service early in 1967. Preliminary work was undertaken for two other transformer station projects in Ottawa, both of which are to be completed in 1968. At Ottawa-Slater Transformer Station, two 45,000/75,000-kva, 115—12-kv transformers will be installed to replace two 20,000/33,333-kva transformers. Outdoor metalclad switchgear and facilities for supervisory control from Ottawa-Hawthorne Transformer Station will also be installed. The 115—12-kv facilities at Ottawa-Woodroffe Transformer Station will be expanded by the addition of two 20,000/33,333-kva transformers and a section of 12-kv outdoor metalclad switchgear.

Arnprior Transformer Station, a new 115—44-kv station with one 25,000/41,666-kva transformer, was placed in operation in April 1966.

## Northeastern and Northwestern Regions

Improved 115-kv service in the Timmins area will be provided in 1968 by Porcupine Transformer Station, a new 500—115-kv station on the extra-high-voltage line, where two 225,000-kva, three-phase autotransformers will be installed.



**CONTROL ROOM FOR NORTHERN GENERATING STATIONS** — From this control room at Pinard Transformer Station, about 45 miles northeast of Kapuskasing, three generating stations on the Mattagami River and one on the Abitibi are operated by remote control via very-high-frequency radio. The generating stations, at distances from Pinard Transformer Station ranging from 18 to 37 miles, include generating units with a total rated capacity of 551,000 kilowatts. They are unattended, except for routine maintenance and inspection, and any special maintenance indicated to be necessary by the remote control facilities.

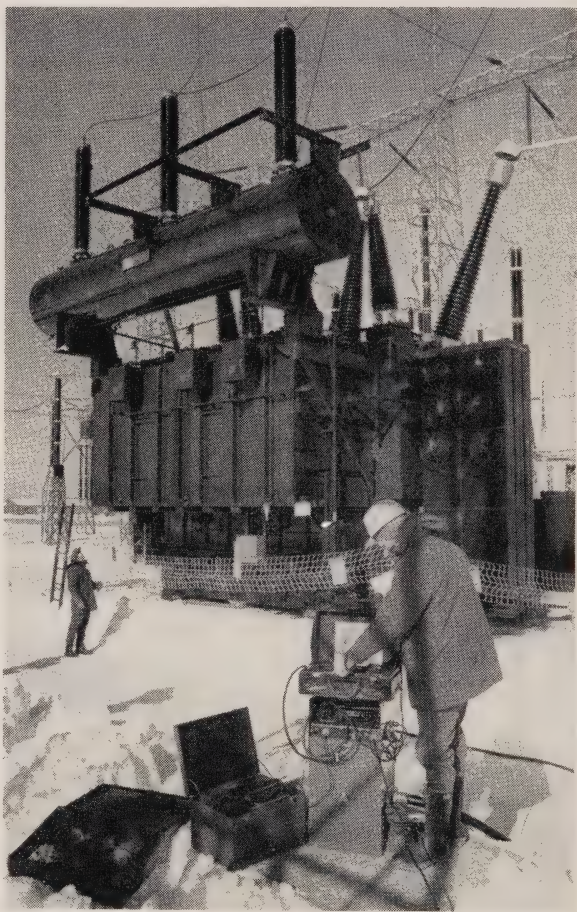


At Kirkland Lake Transformer Station, a 75,000-kva, 115-kv regulating transformer was installed in the 25-cycle circuit which interconnects 25-cycle facilities in northeastern Ontario and northwestern Quebec. The new transformer will facilitate the transfer of 25-cycle power between the systems of the Ontario and the Quebec Commissions.

At Fort William Transformer Station, a new bank of 14,000-kva, 115—22-kv, single-phase transformers and two 10,000-kilovar banks of 22-kv static capacitors were installed. One 19,000-kva, 115—44-kv, three-phase transformer was placed in service in a new transformer station at Red Lake in November 1966. A second similar transformer will be installed at the station in 1967.

### TRANSMISSION LINES

The extra - high - voltage transmission line which carries power from the new complex of generating stations on the Abitibi and Mattagami Rivers to load centres in northeastern and southern Ontario is being brought to its full planned extent and capability by stages. The erection in 1966 of 37 miles of line terminating at Kleinburg completed the transmission facilities, and the ehv line now extends from its northern terminus at Pinard Transformer Station 435 miles southward to Kleinburg Transformer Station northwest of Metropolitan Toronto. A thirteen-mile section of double-circuit 230-kv line was also completed in 1966 to carry power from Kleinburg Transformer Station to Richview Transformer Station in western Metropolitan Toronto.



**TRANSFORMER FIELD TESTS** — A 360,000-kva, 500-230-kv, three - phase autotransformer is shown undergoing tests for insulation qualities. Two units of this type were placed in service at Hanmer Transformer Station, near Sudbury, in the fall of 1966 when the northern section of the extra-high-voltage system was changed to operation at 500 kv.

The northern section of the ehv line, between Pinard Transformer Station and Hanmer Transformer Station, near Sudbury, was placed in operation at 230





This Ontario Hydro helicopter is seen pulling a one-inch rope across the St. Clair River as a preliminary step in the stringing of conductor for the 2,420-foot river-crossing span, which forms part of a new interconnection between Ontario Hydro and the Detroit Edison Company. The procedure, which incorporated ground-based tension-stringing techniques in subsequent steps, permitted the whole operation to be carried out quickly and economically with virtually no interruption to ship traffic on the river. The interconnection, placed in service at 115,000 volts in December 1966, will be converted to 345,000-volt operation in 1968.

kv in 1963, and was changed to 500-kv operation late in 1966 when installation of the necessary transformation at Pinard and Hanmer Transformer Stations was completed. The southern section, placed in operation at 230 kv in 1965 between Hanmer Transformer Station and Essa Transformer Station near Barrie, and now extended southward to Kleinburg Transformer Station, will be changed over to 500-kv operation in 1967.

A new interconnection between the Commission's East System and the system of the Detroit Edison Company crosses the St. Clair River in the vicinity of the Lambton Generating Station project. The line was placed in service late in 1966. Two other interconnections between the two utilities, one in the Windsor-Detroit area, and the other in the Sarnia-Port Huron area, have been in use since 1953. The new interconnection consists of approximately three miles of 345-kv transmission line which runs from the Lambton project site about two miles to the south and then across the St. Clair River to the Detroit Edison Company's St. Clair Power Plant. Between Sarnia-Scott Transformer Station and the Lambton Generating Station project, a 13-mile double-circuit 230-kv line, which eventually will serve as part of the facilities required for incorporating

the generating station into the East System, was also constructed, and one circuit of this line was placed in service as a temporary part of the interconnection. Both this circuit and the three-mile 345-kv line were placed in operation initially at 115 kv. They will be operated at this voltage until mid 1968, when the installation of 345-kv line termination facilities at the St. Clair Power Plant and of a 345—230-kv autotransformer at Lambton Generating Station will permit the Lambton—St. Clair circuit to be converted to operation at 345 kv, and both circuits between Sarnia-Scott Transformer Station and Lambton Generating Station to be placed in operation at 230 kv. The costs of the interconnection will be shared approximately one-half by the Commission and one-half by the Detroit Edison Company and the Consumers Power Company.

A new 230-kv circuit between Lakeview Generating Station and A. W. Manby Transformer Station was placed in service to carry power generated by Units 5 and 6 at the generating station. The circuit includes approximately five miles of overhead conductor strung on bridge towers, and two parallel underground cable sections, about 2,550 feet long, laid under the Queen Elizabeth Way and an adjacent shopping plaza. Two other circuits previously installed on the bridge towers between Lakeview Generating Station and A. W. Manby

#### Total Milage of Transmission Lines and Circuits

Voltage and Structure	Line Route or Structure Miles		Circuit Miles	
	At Dec. 31, 1965	At Dec. 31, 1966	At Dec. 31, 1965	At Dec. 31, 1966
<b>EAST SYSTEM</b>				
500,000-volt aluminum tower.....	76.01	76.01	76.01	76.01
500,000-volt steel tower.....	325.55	359.51	325.55	359.51
345,000-volt steel tower.....	.....	2.50	.....	2.50
230,000-volt steel tower.....	3,295.60	3,327.72	4,359.90	4,420.84
230,000-volt wood pole.....	252.01	252.01	252.01	252.01
230,000-volt underground.....	0.84	1.32	1.68	2.64
115,000-volt steel tower.....	1,980.57	1,976.30	3,284.13	3,280.74
115,000-volt wood pole.....	1,690.53	1,800.65	1,697.16	1,811.15
115,000-volt underground.....	34.96	36.24	67.91	69.47
60,000-volt steel tower.....	11.20	11.20	12.33	12.33
60,000-volt wood pole.....	3.31	3.31	3.31	3.31
44,000-volt and less wood and steel...	6,160.45	6,265.94	6,652.14	6,732.86
Total—East System.....	13,831.03	14,112.71	16,732.13	17,023.37
<b>WEST SYSTEM</b>				
115,000-volt steel tower.....	421.94	424.15	625.84	628.05
115,000-volt wood pole.....	873.36	917.23	873.36	917.23
69,000-volt wood pole.....	203.72	203.72	203.72	203.72
44,000-volt and less wood pole.....	574.39	528.15	614.71	569.50
Total—West System.....	2,073.41	2,073.25	2,317.63	2,318.50
Total—East and West Systems.....	15,904.44	16,185.96	19,049.76	19,341.87

Transformer Station were rearranged to provide better spacing between conductors in order to prevent outages caused by conductor galloping during ice storms.

Two 115-kv lines were placed in service to supply new customers' loads. One of these, approximately 18 miles long, was built to supply the new pumping station of the Ontario Water Resources Commission at Grand Bend. The other, approximately 13 miles long, was built from Timmins Transformer Station to supply the new mill of a large mining customer.

Underground cable circuits completed during 1966 included two 115-kv pipe-type cables laid between Val Tetreau Junction and the new Ottawa-Hinchey Transformer Station. Two new 115-kv pipe-type cables, laid over a distance of slightly more than a mile between Balfour Junction and Toronto-Charles Transformer Station, form part of a back-up supply for Toronto-Teraulay Transformer Station. The installation of a 115-kv pipe-type cable between Toronto-Charles Transformer Station and Toronto-Teraulay Transformer Station was virtually complete at the end of the year.

Preliminary work on the interconnection between the East and West Systems was under way by the end of the year. Engineering surveys had been completed for various sections between R. H. Martindale Transformer Station and Marathon with a total length of 265 miles, and approximately 1,780 acres of right of way had been cleared. A detailed outline of the development of plans for the interconnection is included on page 55.



## SECTION V

### RESEARCH AND TESTING ACTIVITIES

THE research and testing program carried out by the Research Division in co-operation with other sections of the organization keeps the Commission abreast of the continuing rapid advance in technology throughout the electric-power industry, and at the same time makes significant contributions toward this advance. Among the more important results of this program during 1966 were the development of a highly sensitive generator-speed-sensing device now in use to improve the stability of power generation at a number of remote northern stations, and the provision of a full-scale test line to aid in studies of the conductor galloping phenomenon, under conditions closely simulating those of natural galloping.

Presentation of a comprehensive report of the year's achievements is impracticable here. Brief accounts, however, of a few of the more significant activities are given in the following paragraphs as an indication of the character and scope of the research and development work performed. Many of the investigations and studies are reported in greater detail in the publication *Ontario Hydro Research Quarterly*.

#### DEVELOPMENTS AND AIDS IN DESIGN

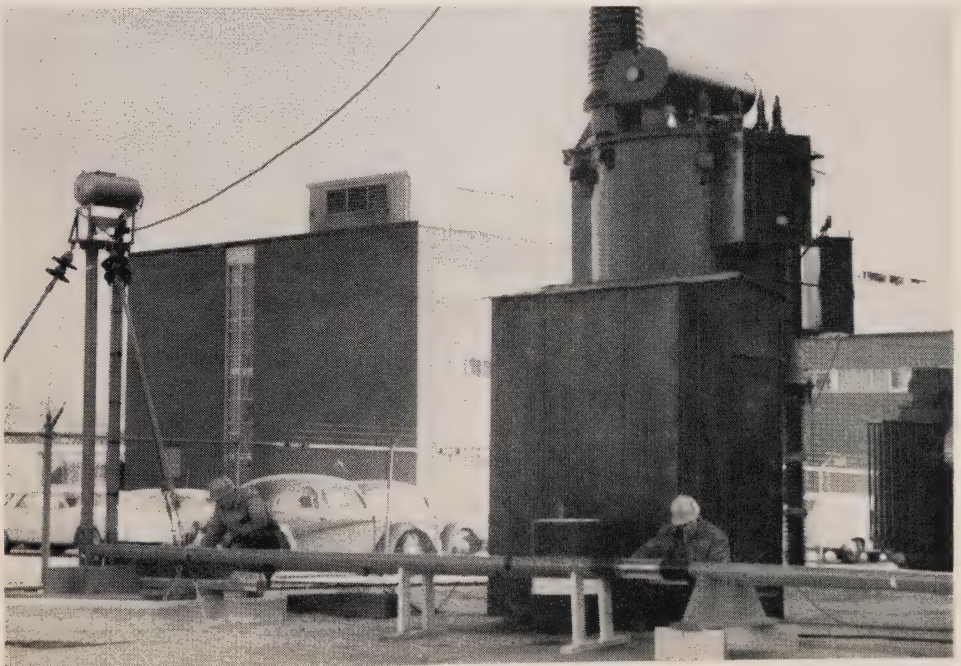
##### Oil-Filled-Pipe Cable

An experimental length of 115-kv cable of a novel design was assembled in the form of a 100-foot loop for high-voltage endurance and load-cycling tests. The new cable consists of a tubular conductor which is centred in an oil-filled glass-reinforced polyester pipe by polystyrene spacers, which have a low dielectric

constant close to that of the oil. It has evident advantages over conventional oil-insulated and paper-insulated cables — the elimination of paper insulation removes a source of sensitivity to variations in temperature and the presence of water, the oil dielectric can be treated or changed with comparative ease, and the cable has greatly improved heat-transfer characteristics and a much lower charging current per unit of length. In addition, the cable can be force-cooled by circulating the oil through heat exchangers, thus permitting operation at current densities several times higher than those possible with conventional cable. Heat runs which confirm the high current-carrying capacity of this design have been performed, and endurance tests at power-frequency voltages up to 150 kv are scheduled.

### **Elastomeric Expansion Joints**

With the use of elastomeric materials, the design of joints and various special features of large-size ducts and piping can often be simplified. Extensive tests have shown that for the expansion joints on the exhaust ducting system of thermal-electric generating stations, only the fluorinated rubbers can be expected to have an adequate service life at the operating temperatures. With the successful development of jointing and installation techniques for these fluorinated materials, simpler duct designs were made possible for units under construction or modification. Also, elastomeric expansion joints of improved quality and reliability were developed for the condenser circulating water systems.



An experimental installation of an oil-filled pipe-type cable of novel design is shown here being prepared for high-voltage-endurance and load-cycling tests. With free oil as the insulating medium, the cable can be loaded to current densities much higher than those possible with conventional high-voltage underground cable.

## **Fire Resistance of Control and Maintenance Buildings**

As part of a study of the factors involved in the effects of a fire in a station transformer, and in its control, tests were made under simulated conditions to evaluate the fire resistance of control and maintenance buildings adjacent to such a fire. The tests were performed on specimens of built-up roof, comprising a gravel surface, bitumen, felt, and thermal insulation on steel decking. The fire resistance of the roof was found to depend mostly on the type of bitumen used, with the amount of gravel used being next in importance. The heat-transfer characteristics of a masonry cavity wall were also investigated.

On the basis of the test data obtained, the temperature effects of a fire on a typical station building with a built-up roof and masonry cavity walls were calculated. The conclusion was reached that with the roof surface burning, the temperature of the air inside the building would not rise sufficiently to damage installed control equipment and wiring.

## **Hydraulic Gate Seals**

Rubber seals on hydraulic gates have in general been relatively free from failure. Premature failures of the seals in certain special applications, however, have caused sufficient concern to prompt extensive development and testing studies. In co-operation with the manufacturer, replacement seals with greatly improved retention of adhesion to metal during exposure to water were obtained for the metalclad gates at Little Long Generating Station, where failures of the adhesive bond at the rubber-metal interface of the original seals had occurred during the first year of service. At the Chippawa-Grass Island Control Structure on the Niagara River, the drum-gate seals had worn rapidly, with attendant high replacement costs, and solid rubber seals of superior material properties were developed to replace these, also by co-operative effort with the manufacturer. Since installation of these seals is dependent on the preparation of an adequate splice, procedures were devised for the production of splices which would be capable of withstanding the service stress and constant contact with water.

Data from long-term water-immersion studies have indicated that vulcanized joints, often of high initial strength, are on occasion susceptible to a progressive loss of bond. Appraisals of new polymer systems (for example, ethylene-propylene terpolymers) being developed for hydraulic-seal service, are therefore being extended to provide a basis for establishing reliable performance criteria.

## **Protection of Metals Against Corrosion**

During recent years, examination of specimens of metals and metal coatings exposed in the long-term outdoor atmospheric-corrosion tests begun in 1952 have established rates of long-term corrosion, and have further confirmed conclusions recorded in previous Annual Reports. Some additional tests begun since 1962 are outlined here together with any conclusions reached to date.

Aqueous-corrosion tests were begun at a Lake Ontario site, where a dozen materials including samples of sprayed-metal coatings are being exposed to partial



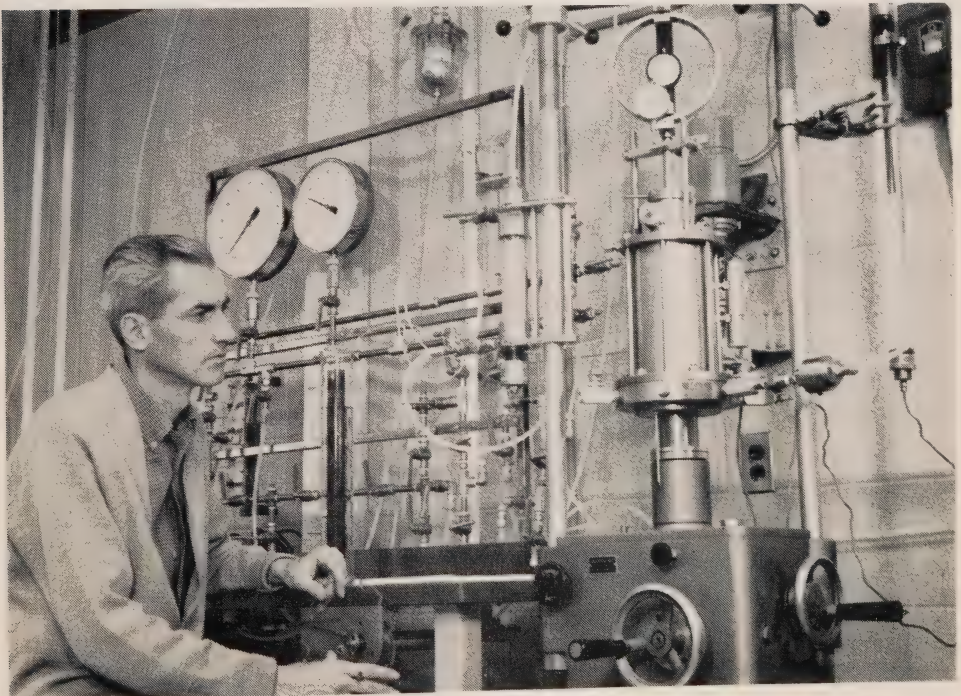
submersion and splashing. Sprayed coatings, in which considerable interest has been shown recently, can be applied in much greater thicknesses than dipped coatings, and so offer better protection against both mechanical damage and corrosion. If the sprayed coatings are sealed by a vinyl, they are especially effective as a protection against corrosion from underwater exposure. The underwater tests indicate that the corrosion resistance of sprayed zinc is good, while that of sprayed stainless steel coatings is relatively poor. At present, economic use of sprayed coatings generally depends on the adaptability of the item to an automatic spraying process.

The study has also shown that certain low-alloy high-tensile steels, which in the atmosphere develop a tight corroded surface that affords long-term protection, do not develop such a protective surface while submerged in water.

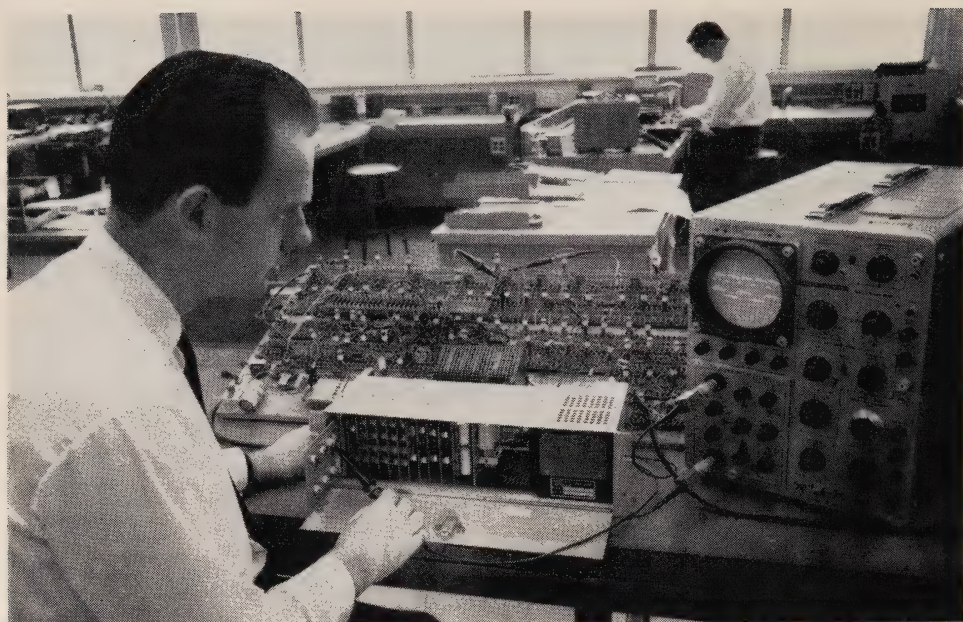
#### AIDS TO STATION CONSTRUCTION

##### **Behaviour of Foundation Soils During Construction**

The construction of Lambton and Pickering Generating Stations has provided an opportunity to study the effect of various construction operations on the behaviour of the foundation soil. The result has been a greatly increased knowledge of the behaviour of the widely different soil formations present at each site.



**NEW HIGH-PRESSURE TRIAXIAL TEST EQUIPMENT** — The shear strength and the deformation characteristics of a soil specimen are being determined under conditions closely simulating those of the soil in place. The triaxial test equipment shown is of considerably greater capacity than previous equipment, and incorporates innovations in design which provide greater flexibility in the application of stresses to a soil specimen.



**FREQUENCY TREND RELAY** — This relay is designed to aid in maintaining maximum system security by predicting whether power frequency would fall below a critical level during a system disturbance if no corrective action were taken. A design which provides compactness and reliability was achieved through extensive use of integrated solid-state components. A "bread board" layout of the relay circuitry is visible immediately behind the completed unit, which is shown undergoing final calibration.

At Lambton Generating Station, measurements of water-level changes, soil heave, and lateral displacement during major excavations were continued from the previous year. During driving of the powerhouse piles, the pore-water pressures induced in the adjacent soil were measured by simple piezometers, and by a specially developed device attached to several of the piles. The measurements were useful in appraisal of the effects of the lateral soil movements reported during the piling program. They also permitted a realistic prediction of elastic movements that will occur in the soil supporting the heavy transformers, or in that under structures close to a coal pile of varying size.

At Pickering Generating Station, water pressure and vertical and lateral ground movements were measured during the driving of H-section piles for one of the reactor buildings, to determine the effect that the pile driving has on nearby structures. A tie-back retaining wall of somewhat unusual design was instrumented to obtain a measure of the immediate and long-term soil pressures acting on the anchorages and horizontal lagging. The results confirmed many of the initial assumptions made in respect to the soil behaviour and indicated where appreciable economies can be realized in future work on the project.

#### **Stability and Stress Studies of Tower Cranes — Pickering Generating Station**

The main items of construction hoisting equipment used on the Pickering Generating Station project are four tower cranes of European design. To ensure



adequate working stability and reasonable stress levels, the manufacturer's design wind-load assumptions were reviewed. The allowances were found to be marginal, indicating a need either for adoption of a lower capacity rating or for reduction of the wind velocity permissible for crane operation.

In addition, a review of service conditions in relation to steel properties led to a recommendation that crane operation at low temperatures be restricted in order to reduce the danger of brittle fracture. The need for this proposed restriction, however, was obviated by specifying that the steel used in the tower structure have a greater low-temperature toughness than that originally used. Such steel was supplied by the manufacturer in the structure of one crane, and as replacement tower panels for the three others which were already in use.

To further enhance safe operation, the original wind-velocity indicator in the crane cab was replaced by an indicator-alarm system. With this system the temperatures of the steel are measured at both ground level and working height of the crane. Wind velocities and steel temperatures are recorded by an instrument installed at the crane base.

#### AIDS TO SYSTEM OPERATION

##### **Computer Representation of Power-System Components, with Particular Reference to Generator Excitation Systems**

A modern power system is a complex arrangement of interconnected generators, lines, and loads, and associated with each generator are control devices such as the speed governor and the voltage regulator for the direct-current excitation. In the planning of extensions to the power system, intensive analytical studies are required with respect to generator performance, load-flow patterns, and conditions that may lead to instability. Modern digital computers allow such studies to be made in much greater detail than was previously possible. Effective computer use, however, requires that large amounts of accurate input data be available, and that mathematical models of the generators and control systems be developed in a form suited to the computer operation.

The necessary detailed performance data for generators and their excitation systems were obtained by field tests at a number of locations, notably Sir Adam Beck-Niagara Generating Station No. 2, Robert H. Saunders-St. Lawrence Generating Station, and stations on the Abitibi and Mattagami Rivers. The data thus obtained were first used in creating, on an analogue computer, models of single generators and excitation systems. The validity of the type of representation used was verified by comparison of the performance of this model with actual field data. The representations were then suitably modified for inclusion in digital-computer programs representing hundreds of machines.

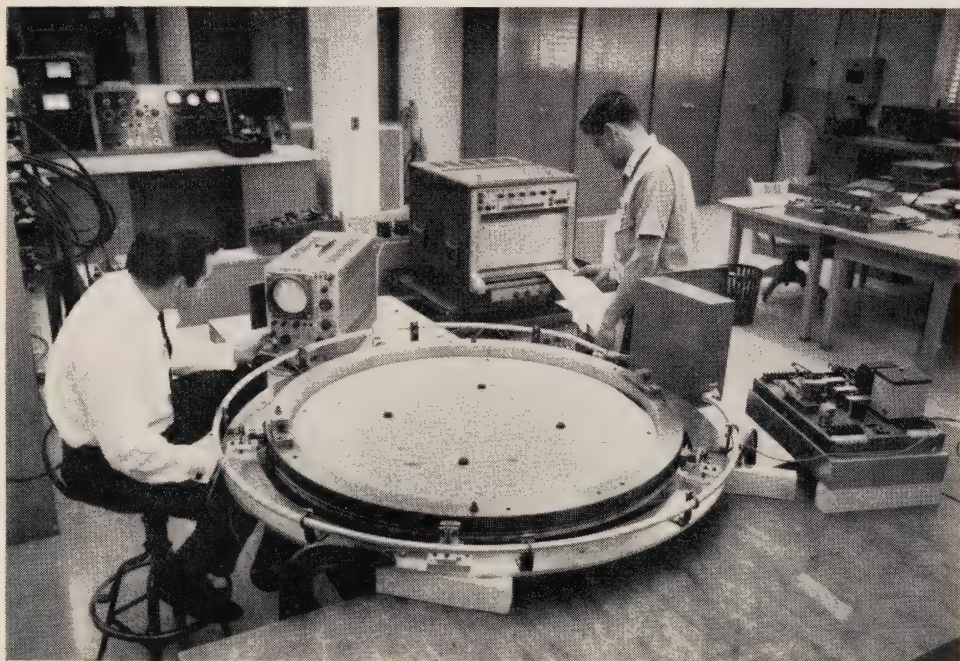
##### **Static Exciters with Stabilizing Signals**

Computer simulation is also useful for appraising the effect on power-system performance of devices with new characteristics, such as the rectifier-type excitation systems introduced in 1963 at Otter Rapids and Little Long Generating Stations.



Initial analogue-computer studies showed that such excitation systems are potentially capable of increasing steady-state stability limits to a level equivalent to those obtainable with zero-impedance generators. To gain such a performance, however, a signal proportional to departures of the generator speed from the mean speed would be needed to damp out power and phase-angle oscillations.

A device for producing a stabilizing signal was developed, installed and tested in 1964, and this significantly improved stability, but without reaching the feasible ideal limits. A search for a better solution led to development of a new type of equipment in which a steel ring with gear-teeth is mounted on the generator shaft, and magnetic pick-ups monitor the rate of passage of the teeth. Electronic circuits, fed from the magnetic pick-ups, detect any variations in speed, and generate and feed a signal to the excitation control amplifier. The device was installed early in 1966 on one of the two generators at Harmon Generating Station. Tests showed that the device provides critical, or complete, damping of power and phase-angle oscillation, and so similar equipment has been installed on the second generator at Harmon Generating Station and on the two generators at Kipling Generating Station.



**GENERATOR STABILIZER OF NEW DESIGN** — These devices, one of which is shown undergoing calibration at the laboratory, have been installed on generating units at hydro-electric stations in northern Ontario. Mounted on the generator shaft, the stabilizer senses minute variations in generator speed and applies signals to the excitation control in order to damp out power and phase-angle oscillations. With the resulting operation of the generator at close to the theoretical stability limits, the stabilizer makes possible increases of up to 10 per cent in the transmission capability of high-voltage and extra-high-voltage lines.

## Studies of Conductor Galloping

In southern Ontario, galloping of transmission-line conductors occurs from time to time during the winter months as a result of wind in combination with rain freezing on the conductors. The amplitude is frequently great enough to result in inter-phase faults because of the close approach of the conductors to each other. If severe faulting occurs, the line must be removed from service.



The use of inter-phase ties, such as the one shown here being installed between two phases of a 230-kv line, is being studied as a possible means of preventing outages caused by conductor galloping during ice and wind storms. Preliminary observations have indicated that the ties could eliminate phase-to-phase faults by substantially reducing the relative motion between adjacent conductors.

introduce and observe standards of conductor-span length and spacing which would ensure that galloping and its effects were kept to a minimum.

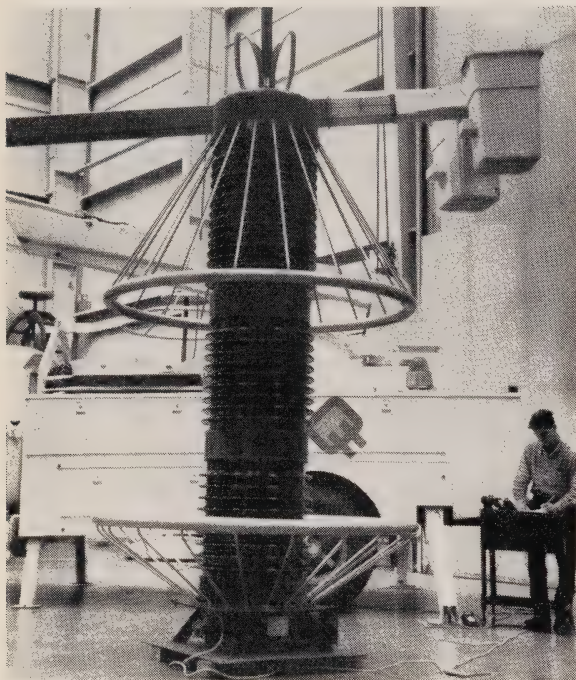
Recently, however, intensified study of the galloping phenomenon has resulted in some important achievements. Chief among these is the production in a full-scale test line, of artificial galloping, which greatly facilitates testing and hence the development of possible control measures. One proposed measure examined with this line, the use of insulated interphase ties, gives some promise of being effective on lines where a moderately substantial expenditure is warranted to provide improved control of galloping.

## Overhead-Conductor Current Ratings

For some time the various sections of the Commission's organization that are responsible for the design, operation, and maintenance of transmission lines have



been co-operating in the development of a new method of determining current ratings for overhead conductors. The new rating method would permit higher conductor loadings, with significant savings, provided that other items such as connectors will also withstand the higher loadings.



WORK IN THE HIGH-VOLTAGE LABORATORY — The transformer in the foreground serves as a highly accurate voltage reference standard for the calibration of measuring equipment operating at voltages ranging from 50 kv to 350 kv. Here it is being used for voltage measurement during an insulation test of an aerial bucket device designed to hold linemen in position for bare-hand work on live transmission lines.

Conductor ratings are normally based on a maximum conductor-temperature value, which is generally so chosen as to avoid annealing, in order that no significant loss of conductor strength would occur even if the conductor were fully loaded for long periods. In contrast, the new method, by correlating hourly weather and load data for a specified line life, permits a conductor to be selected so that for the entire service period neither the electrical losses nor the loss of mechanical strength should be excessive. This approach, made possible by the wealth of weather and load information now available, and by the sophisticated data treatment attainable with computers, permits a more accurate appraisal of the relevant

parameters. Its use could be advantageous in system operation, since conductor temperatures far in excess of the previous limit could be tolerated for limited periods if these were followed by compensating periods with comparatively light loadings.

### Metering Transformers

Because of excessive metering burden, certain auxiliary saturating-type current transformers associated with the main high-voltage current transformers became partially saturated during periods of high load. This results in incorrect meter readings. Tests performed with a pair of these saturating-type transformers indicated that the saturation problems could be overcome by connecting two transformers in series. With this arrangement the required accuracy is maintained at up to twice the rated current, and the transformers still saturate as required at fault-current levels. The new arrangement, now in use on some lines, avoids the need for a specially designed transformer.



## STUDIES PERTAINING TO THE USE OF ELECTRIC ENERGY

**Electric Ceiling-Cable Radiant-Heat Systems**

Continuing research and development led to improved installation specifications for electric radiant-heat systems where the cable is embedded in ceiling plaster. Laboratory investigations of the effects of dehydration on the properties of plaster indicated that if the recommended minimum cable spacing is observed, no long-term deterioration of the plaster should occur. When specifications for plastered ceilings were improved and these specifications were duly observed by builders, more satisfactory installations resulted. In a familiarization program begun in 1965 and continued through 1966, the Commission provided instruction on the correct installation of cable-heating systems to about 250 representatives of Ontario builders, plasterers, and municipal utilities.

**Study for Comparison of Domestic Central-Heating Systems**

A new instrument system was developed for continuously measuring the heat delivered to houses by fuel-fired or electric furnaces. This system, now in trial use in three homes in Metropolitan Toronto, will provide data, previously unavailable, on hour-by-hour heat loss of structures and on cyclic and seasonal efficiencies of residential heating systems. The information gained will be useful both in the design and application of electric heating systems and in the resolution of uncertainty about the relative costs of heating with various fuels.

**Determination of Risk of Corrosion of Copper in Water-Heating Systems**

In various Ontario locations, well waters contain carbon dioxide in sufficiently high concentrations to be strongly corrosive to copper piping and fittings, and especially to the copper-sheathed immersion heating elements commonly used in domestic water-heaters. Special alloy-sheathed elements are resistant to this corrosion but are too expensive for unrestricted use. Where glass-lined tanks are used, a further

**LOW-WATTS-DENSITY IMMERSION ELEMENTS** — These elements have been developed for use in electric water-heaters in areas where scale accumulation is a problem. The larger element, rated at 4,500 watts, operates at only 30 watts per square inch of element surface, while the smaller element, rated at 3,000 watts, operates at a still lower watts density. The 3,000-watt element is suitable for use as the upper element in a 40-gallon heater, and the 4,500-watt element is suitable for the same function in a 60-gallon heater.

problem associated with such waters is the tendency for the copper from piping and heater sheaths to be electro-deposited in the inlet and outlet nipples, resulting eventually in plugging of the inlet and outlet. To provide a means for determining with various water supplies the risk of corrosion of the copper in a water heater, a small field kit convenient for use by service men was developed for measuring the concentration of free carbon dioxide in the water.

## MISCELLANEOUS STUDIES AND DEVELOPMENTS

### **Leak Location in Gas-Filled and Oil-Filled Underground Cables**

As a result of electrical failure, thermal expansion, corrosion, poor workmanship or external damage, leaks occasionally develop in directly buried underground power cables of both the gas-filled and oil-filled types. Location of such leaks to within a few feet, before soil excavation is begun, is often a difficult and time-consuming task.

All methods in common use for the location of a leak in a gas-filled pipe-type underground power cable consist of introducing a tracer gas into the pipe, and then detecting this gas at the point of escape. When a radioactive tracer gas is used, these methods are usually quite successful, but considerable time and expenditure are involved in arranging for a supply of the gas, and for the services of specialists trained in its proper handling and use. With other methods, such as those in which helium or a halogen are used as tracers, the somewhat non-selective detection equipment available often responds not only to the tracer gas, but also to other gases normally present in the soil and atmosphere.

These drawbacks were overcome by development of a practical field instrument that makes use of a halogen gas detector tube and a gas-separating column. With Freon 12 as the tracer gas, the instrument is selective and highly sensitive. It can be operated conveniently and effectively by maintenance personnel, and it has already been used to locate gas leaks in several operating cables.

A hydraulic method for locating leaks in oil-filled cables has been under development for several years, and has been used successfully on a number of occasions. This method involves simultaneous measurement of the rates of oil flow from a common oil reservoir to the leak along two hydraulic routes. One route is through the near end of the leaky cable and the other is through a parallel sound cable and the far end of the leaky cable. Since the rates of flow are inversely proportional to the distances over which the oil must travel along the two routes, the location of the leak can be calculated. The oil-flow rates that can be measured with the available flowmeters range from about one gallon per month to 25 gallons per hour.

### **Organo-Phosphorus Insecticides for Blackfly Control**

At the concentrations used for blackfly control at hydro-electric construction and operations projects in northern Ontario, DDT has appeared not to be immediately harmful to wildlife. Recent evidence has indicated, however, that

where introduced to streams for blackfly larvae control, DDT may have a cumulative deleterious effect on fish and aquatic organisms. In a search for a rapidly degradable innocuous alternative to DDT for stream treatment, several promising larvicides were evaluated in the spring of 1966 in co-operation with the Ontario Water Resources Commission.

Field trials were made with two water-emulsifiable organo-phosphorus larvicides. These compounds were metered at various dosage rates into three blackfly breeding streams in the vicinity of Des Joachims Generating Station. One of the compounds produced an adequately high blackfly-larvae mortality rate without noticeable adverse effects on fish and other stream life. As a result, this compound is being considered as a larvicide suitable for future treatments of blackfly-infested streams.

### **Coolants for Internal-Combustion Engines**

Ethylene glycol antifreeze leaking into the crankcase oil of internal-combustion engines can lead to formation of a heavy adhesive sludge in the oil, sometimes resulting in engine failure. This can be particularly costly when the engine is in use on an isolated northern construction project.

Initially, a sensitive field test was developed to detect glycol in the oil at an early stage, before sludge formation occurred. Although helpful in reducing the seriousness of the problem, this approach required a continuous oil-testing program, and still did not obviate the need for immediate maintenance work on engines with coolant leaks. As a later development, laboratory tests confirmed that a new glycol-ether-type antifreeze would evaporate from the oil at normal engine operating temperatures without forming significant amounts of sludge. Field testing of this product disclosed a corrosion problem, which the product supplier was able to overcome by reformulation. This antifreeze is now widely used in Ontario Hydro mobile equipment where service requirements are critical and coolant leakage in engines is a problem.

### **Studies of Air-Pollution Conditions in the Lambton Generating Station Area**

An extensive air-pollution monitoring system was installed on the Canadian side of the St. Clair River in the vicinity of Lambton Generating Station to establish the prevailing pollutant levels in the area in advance of operation of the station. Sampling stations are operating at 27 different locations to determine the average monthly sulphur-dioxide levels. Two instrumented sampling stations are used for continuous monitoring and recording of dust levels, instantaneous sulphur-dioxide levels, as well as wind direction and velocities. In addition to this program, there is co-operation with two industries that also are making air-pollution measurements in the area. The total area under study is about two hundred square miles, extending into the United States. The information obtained is shared, and co-operation extends to the establishing of sampling sites, the servicing and calibrating of instruments, and the standardization of test methods.



## SECTION VI

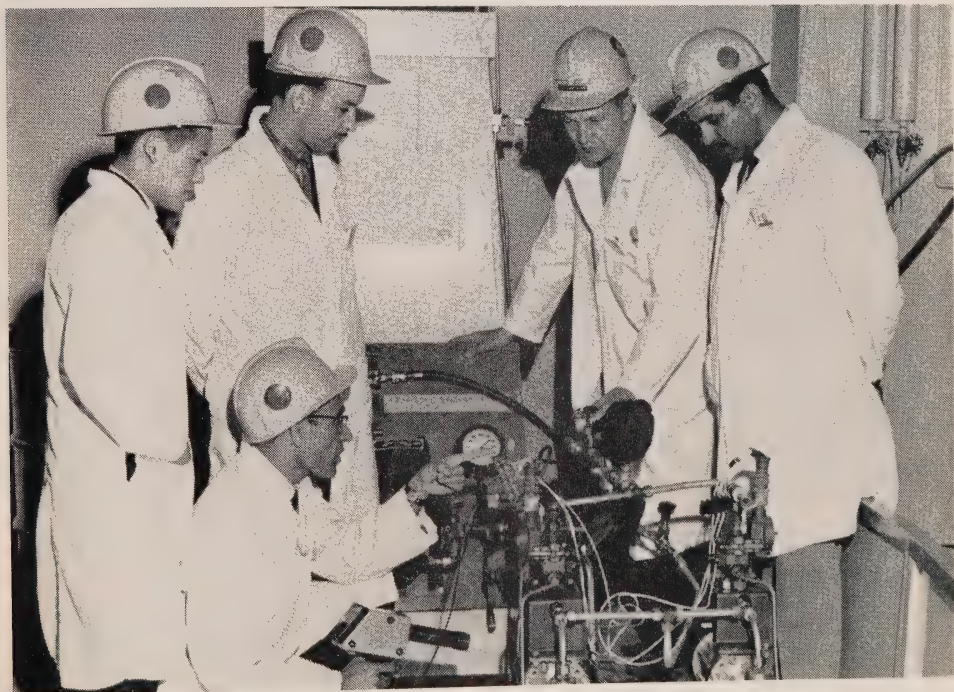
### STAFF RELATIONS

**T**HE power industry offers challenging opportunities to persons of widely diverse skills. Conventional problems in engineering and construction take on new interest even with only the normal advances in technology, but they do so particularly with the advent of nuclear generation, the introduction of ever larger and more completely automated generating units, and the development and extension of extra-high-voltage transmission. Electronic data processing has brought about revolutionary changes in the art of management by permitting refinement in financial and administrative control, and a new sophistication in planning for the future. The need for accelerated and more effective training for work in a rapidly changing environment has also created new demands upon those whose skills lie in human relations, and in the application of these skills to career planning, instruction, and administration generally.

All of this is reflected in a trend over the past few years toward a gradual increase in the proportion of the staff having professional qualifications, or at least some advanced technical training. The increase in the management and professional staff complement during 1966 included 56 experienced engineers, 63 engineering graduates who accepted positions following visits by the Commission's recruiting teams to Canadian and overseas universities, and 29 persons selected either for special training or for appointment to administrative management positions.

The staff have responded well to the demands arising from technological advances and from changes in job requirements. They have shown keen interest in opportunities for training, and have availed themselves of opportunities offered for the improvement of their qualifications, either at the Commission's Conference and Development Centre or elsewhere. Approximately one employee in ten took courses provided for operating, technical, and clerical staff, as well as in the various trades, both at the supervisory and journeyman levels. Instruction periods at the Training Centre vary in length from two days to three weeks. A number of sales training seminars and courses were provided for the Commission's sales staff in conjunction with marketing training services offered to utility staffs and industrial allies in various trades.

Special training is one method of facilitating the relocation of those employees whose jobs have disappeared through technological change. For example, following the introduction of more highly automated operations equipment in the Regions, a large number of displaced truck drivers were given certain basic training and were placed in other trades occupations throughout the Hydro organization.



In training personnel for nuclear operations, the Commission co-operates with other power organizations which are building or planning to build nuclear-power stations with reactors of the CANDU type used in Ontario, or a related design. This group, at the Nuclear Training Centre operated by the Commission at the Nuclear Power Demonstration plant, includes, as well as Ontario Hydro employees, personnel from the Province of Quebec and the Republic of Pakistan. Other personnel receiving training at the Centre have come from India and Japan.





**RADIATION PROTECTION PROCEDURES** — At nuclear-electric generating stations, protective standards and procedures are scrupulously followed in order to guard personnel against over-exposure to radiation. Careful checks are made to ensure that radioactive contamination is maintained at low levels, and confined within certain designated areas. Before leaving the reactor building at Douglas Point Nuclear Power Station, this man is monitoring his hands, parts of his outer clothing, and his shoes for the possible presence of minute particles of contaminated material.

The Commission's new Conference and Development Centre under construction near Orangeville is proceeding on schedule. The main building, as well as the adjacent trades facilities, is expected to be ready for service late in 1967.

The average number of Commission employees rose for the third successive year from 14,996 in 1965 to 15,361 in 1966, two-thirds of the increase being in the number of regular employees, up from 12,207 to 12,451. The average number of temporary employees was up from 2,789 to 2,910.

## Labour Relations

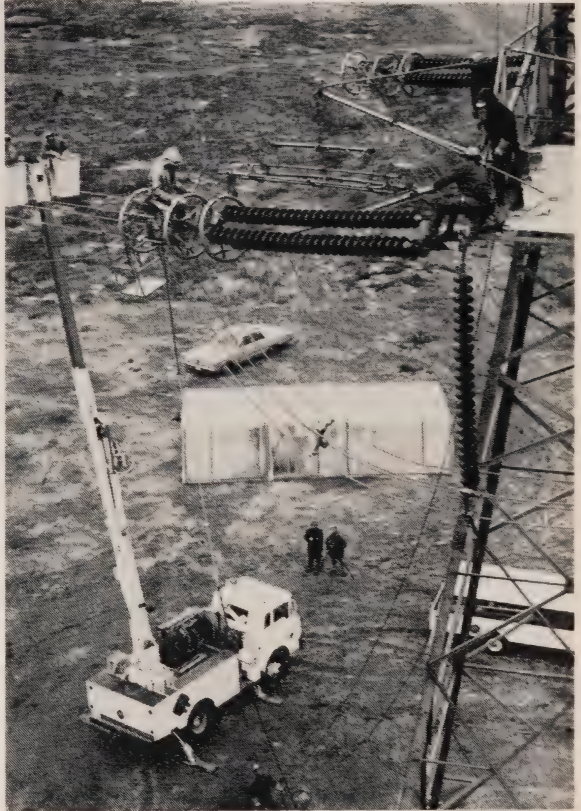
Negotiations for seven separate collective agreements were carried out in 1966 with representatives of approximately 13,000 members of union organizations. A two-year agreement was signed in October with the 9,000-member Ontario Hydro Employees Union. The other agreements were in various stages of conciliation at the end of the year. These were with the Allied Construction Council and other unions representing field construction forces, and with locals of the Canadian Union of Operating Engineers.



Co-operative activity on the part of management staff and union representatives in joint committee sessions has assisted in resolving problems of common concern. This work offered, for example, a channel of communication in dealing with problems arising from increasing automation and rapid technological change. The municipal utilities also, in dealing on their part with these and other complex labour relations problems common to power utility operations, have availed themselves of consultative services which the Commission provides on the basis of its broader experience.

### Accident Prevention

Special effort was given during 1966 to sharpening employee alertness to what were termed the "significant six" most frequent causes of accidents, and to encouraging preventive action. These causes were falls, objects in motion, strain in lifting etc., flying objects, sharp or pointed objects, and motor vehicles. A notable improvement in accident prevention performance was recorded in most large employee groups, with three new lows being established in frequency rates for disabling injuries per million man-hours worked. Design and construction employees attained a 14 per cent reduction in frequency to 18, regional staff a 13 per cent reduction to 7, and the staff as a whole a 10 per cent reduction to a frequency of 9.



**LIVE-LINE WORK AT 500 KV** — In the fall of 1966, the Commission demonstrated its newly developed techniques for the maintenance of extra-high-voltage lines to observers from a number of power systems and other organizations in Canada, the United States, and Great Britain. In the photograph, two observers, held aloft by an aerial bucket truck, are watching two Ontario Hydro linemen replace an insulator string. For protection against the effects of the high-voltage field, the lineman at the left is wearing a special conductive shielding suit which is bonded to the live conductor.

Though the over-all frequency rate of 9 is again an improvement over the average for the previous five years, the accident severity rate, unchanged from 1965 at 1,400 days per million man-hours worked, remains above the average of 1,300 days experienced for the previous five years.

### Medical Services

There were no serious epidemics among the staff in 1966, and the general health of the employees continued to be good.

Advisory and emergency medical services were available at Head Office and at aid posts established at a number of the major construction projects. The field hospital at Little Long Generating Station was closed in September, and plans were later made to provide medical care at Aubrey Falls and at other potential developments on the Mississagi River.

There was increased activity in the development of the radiation protection program in anticipation of the approaching initial operation of Douglas Point Nuclear Power Station. Training was given not only to Commission employees, but also to those requiring training who have come from India and Pakistan.

During 1966, a survey was completed of the incidence of coronary heart disease among the Commission's staff over a ten-year period. This was part of a more intensive campaign undertaken for the prevention of the disease.

### **Pension and Insurance Fund**

The amount held in trust by the Commission in the Pension and Insurance Fund stood at \$199,621,184 at December 31, 1966.

## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

## PENSION AND INSURANCE FUND

## STATEMENT OF ASSETS

as at December 31, 1966

	\$
Investments	
Bonds and stocks—	
Federal and provincial government and government-guaranteed bonds (par value \$134,351,000).....	132,186,408
Corporation bonds (par value \$24,672,000).....	24,586,336
Stocks.....	26,700,682
Total bonds and stocks.....	183,473,426
(approximate market value \$167,992,000)	
First mortgages on real estate.....	18,030,437
Real property leased to others.....	400,513
Total investments.....	201,904,376
Cash.....	142,660
Accrued interest.....	2,124,737
	204,171,773
Payable to The Hydro-Electric Power Commission of Ontario.....	4,550,589
	<u>199,621,184</u>

## NOTES

1. The most recent actuarial valuation of the pension plan as at December 31, 1964, indicated that the plan was fully funded. In 1965 and 1966, contributions have been made on a basis considered appropriate by the actuary.
2. In the above statement, bonds are included at amortized cost, stocks at cost, first mortgages on real estate at balance of principal outstanding, and real property at cost less amortization.
3. The Savings and Insurance Plan was terminated by the Commission as of December 31, 1965. All obligations under the Plan have now been discharged and the residual balance of \$501,044 in the Savings and Insurance Fund at December 31, 1966 has been transferred to the Pension and Insurance Fund.

## AUDITORS' REPORT

We have examined the statement of assets of The Hydro-Electric Power Commission of Ontario Pension and Insurance Fund as at December 31, 1966. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying statement presents fairly the assets of the fund as at December 31, 1966.

CLARKSON, GORDON &amp; CO.

Chartered Accountants.

Toronto, Canada

May 10, 1967.





## APPENDIX I—OPERATIONS

THE table of power resources and requirements gives for each system and in total the primary peak requirements for the month of December, and the dependable capacity of the Commission's resources at the time those peak requirements occurred. A separate table on pages 102 and 103 gives the December dependable capacity and maximum output of each Commission-owned station and each source of purchased power, the capacity given for purchased power sources being based on the terms of the purchase contract.

Prior to 1965 the dependable capacity of any station was defined as the net output the station could be counted on either to equal or exceed 85 per cent of the time, and the dependable capacity of the systems was the sum of these figures. Following the completion in 1965 of studies of the output of system resources in total under historical stream-flow conditions, a new concept of the over-all risks arising from stream-flow variability led to the adoption, as a criterion for East System capacity, of total values that had a probability of being equalled or exceeded 98 per cent of the time. That is to say, the total output of the system is likely to be below that quoted only once in 50 years. In 1966 this was also the basis for calculating the dependable capacity of West System resources. While the same criterion is used in establishing the capacity of each station separately, the sum of these capacities is not the dependable capacity of the systems, since there is only a remote possibility that all stations will experience these low outputs simultaneously. Allowance for this diversity from one river to another is made in the following table.

The Analysis of Energy Sales on pages 106 and 107 shows how the kilowatt-hours generated or purchased by the Commission and the associated municipal utilities were distributed to the various classes of ultimate customers or to interconnected systems.

Statistics of peak loads and capacities are given, as elsewhere in the Report, in kilowatts rather than in horsepower. The kilowatt figures may be converted to horsepower by assuming that one horsepower is equivalent to 0.746 kilowatts.

## THE COMMISSION'S POWER RESOURCES—1966

		Dependable Capacity*	Maximum Output*	Annual Energy Output (net)
		kw	kw	kwh
<b>East System</b>				
<i>River</i>	<i>Hydro-Electric Generating Stations</i>			
Niagara	†Sir Adam Beck-Niagara No. 1.....	434,000	443,000	3,063,295,740
	Sir Adam Beck-Niagara No. 2.....	1,330,000	1,290,000	8,059,768,200
	Pumping-Generating Station.....	110,000	130,000	125,120,500
	†Ontario Power.....		115,600	42,959,000
	†Toronto Power.....		84,000	15,629,900
Welland Canal	DeCew Falls No. 1.....	31,000	32,950	151,896,700
	DeCew Falls No. 2.....	124,000	142,000	919,661,200
	Adjustment to Niagara River stations to compensate for use of water by Ontario Hydro rather than by another producer.....	75,000		
Muskoka	Ragged Rapids.....	7,500	7,350	40,502,300
	Big Eddy.....	7,100	8,550	37,862,820
South Muskoka	South Falls.....	4,200	4,650	29,172,180
	Trethewey Falls.....	1,600	1,600	10,682,400
	Hanna Chute.....	1,200	1,300	8,803,660
Beaver	Eugenia.....	5,400	5,200	19,452,000
Severn	Big Chute.....	4,300	4,350	30,272,520
Saugeen	Hanover.....	250		865,830
Trent	Heely Falls.....	11,400	11,100	69,760,880
	Ranney Falls.....	8,600	8,905	48,829,600
	Meyersburg.....	5,200	5,850	33,858,690
	Sidney.....	3,100	3,500	19,473,240
	Hagues Reach.....	3,400	3,600	20,659,620
	Seymour.....	3,100	2,712	17,265,420
	Frankford.....	2,600	2,550	13,437,800
	Sills Island.....	1,600	1,523	8,728,210
Otonabee	Auburn.....	1,800	1,725	9,768,770
	Lakefield.....	1,700	1,394	8,471,100
St. Lawrence	Robert H. Saunders-St. Lawrence.....	646,000	845,000	6,026,943,000
Ottawa	Des Joachims.....	371,000	369,500	2,653,825,300
	Otto Holden.....	192,000	215,000	1,380,599,100
	Chenau.....	115,000	115,600	851,566,600
	Chats Falls (Ontario half).....	77,000	79,000	612,984,500
Madawaska	Stewartville.....	65,000	65,500	312,383,400
	Barrett Chute.....	42,000	42,000	235,585,200
	Calabogie.....	3,900	4,470	26,215,160
Mississippi	High Falls.....	2,600	2,575	15,872,910
	Galetta.....	800	790	4,901,360
Rideau	Merrickville.....	800	655	3,430,430
Abitibi	†Abitibi Canyon.....	226,000	227,000	1,446,103,400
	Otter Rapids.....	174,000	178,000	729,460,000
Mississagi	George W. Rayner.....	46,000	46,400	315,058,310
	Red Rock Falls.....	40,000	41,280	226,017,000
Mattagami	Kipling.....	135,000	143,000	303,214,600
	Little Long.....	125,000	128,000	641,616,500
	Harmon.....	119,000	146,000	712,848,000
	†Wawatit.....	10,700	10,700	68,293,020
	†Lower Sturgeon.....	3,900	5,900	43,291,927
	†Sandy Falls.....	2,600	2,580	19,427,400
Montreal	Upper Notch.....	8,000	8,100	60,879,000
	Hound Chute.....	3,400	3,810	30,438,000
	Indian Chute.....	3,000	3,000	22,286,880
	Fountain Falls.....	2,000	1,800	16,432,140
Wanapitei	Stinson.....	5,700	5,400	32,871,800
	Coniston.....	4,100	3,780	26,652,620
	McVittie.....	2,100	1,900	16,176,800
Matabitchuan	Matabitchuan.....	10,000	9,600	66,536,600
Sturgeon	Crystal Falls.....	8,000	8,000	52,385,040
South	Nipissing.....	1,600	1,620	9,423,970
	Elliott Chute.....	1,200	1,460	6,214,520
	Bingham Chute.....	900	890	4,685,580
	Diversity—Adjustment due to difference between the calculation of capacity on an individual plant basis and for the system as a whole.....	50,000		
Total hydro-electric—East System.....		4,526,350		29,530,577,347
<i>Location</i>	<i>Thermal-Electric Generating Stations</i>			
Windsor	J. Clark Keith.....	255,000	234,500	788,250,200
Toronto	Richard L. Hearn.....	1,193,000	1,158,500	3,876,760,100
	Lakeview.....	1,140,000	1,130,000	5,542,812,000
Rolphton	Nuclear Power Demonstration.....		21,700	161,048,000
Toronto	A. W. Manby TS (combustion-turbine generation).....	77,000	74,000	7,551,360
Sarnia	Sarnia-Scott TS (combustion-turbine generation).....	72,000	72,500	5,110,080
Total thermal-electric—East System.....		2,737,000		10,381,531,740
Total generated—East System.....		7,263,350		39,912,109,087



## THE COMMISSION'S POWER RESOURCES—1966

		Dependable Capacity*	Maximum Output*	Annual Energy Output (net)
		kw	kw	kwh
<b>East System—Continued</b>				
<i>Sources of Purchased Power</i>				
Detroit Edison Co. ....			216,000	571,915,000
†Niagara Mohawk Power Corp. ....			286,000	1,486,682,000
†Canadian Niagara Power Co. ....				320,000
Power Authority of the State of New York. ....			188,000	270,522,000
†Quebec Hydro-Electric Commission. ....			769,000	3,912,378,400
MacLaren-Quebec Power Co. ....		348,000	108,000	724,901,000
Ottawa Valley Power Co. ....		93,000	79,000	614,178,500
†Abitibi Paper Co. Ltd. ....		77,000	37,200	32,353,668
Great Lakes Power Corp. Ltd. ....		2,000	44,915	34,263,632
Miscellaneous (relatively small suppliers) ....		1,500	28,894	21,890,036
Total purchased—East System. ....		521,500		7,669,404,236
<b>West System</b>				
<i>River</i>	<i>Hydro-Electric Generating Stations</i>			
Nipigon	Pine Portage. ....	115,200	123,000	838,807,640
	Cameron Falls. ....	76,400	74,800	549,727,000
	Alexander. ....	62,000	63,000	437,165,200
English	Caribou Falls. ....	75,700	80,000	573,934,000
	Manitou Falls. ....	60,000	70,500	450,331,000
	Ear Falls. ....	10,900	14,130	118,528,000
Kaministiquia. ....	Silver Falls. ....	45,600	46,000	253,915,000
	Kakabeka Falls. ....	23,900	14,800	142,662,300
Winnipeg	Whitedog Falls. ....	52,600	69,500	420,089,000
	Aguasabon. ....	46,100	46,000	343,534,030
Diversity—Adjustment due to difference between the calculation of capacity on an individual plant basis and for the system as a whole. ....		17,400		
Total hydro-electric—West System. ....		585,800		4,128,693,170
<i>Location</i>	<i>Thermal-Electric Generating Stations</i>			
Fort William	Thunder Bay. ....	93,000	60,000	8,045,000
Total generated—West System. ....		678,800		4,136,738,170
<i>Sources of Purchased Power</i>				
Manitoba Hydro-Electric Board. ....			28,200	34,680,359
Total purchased—West System. ....				34,680,359
<b>Total generated. ....</b>		<b>7,942,150</b>		<b>44,048,847,257</b>
<b>Total purchased. ....</b>		<b>521,500</b>		<b>7,704,084,595</b>
<b>Total generated and purchased. ....</b>		<b>8,463,650</b>		<b>51,752,931,852</b>

\*The power capacity and output referred to in this table are the 20-minute peaks for the month of December. Since the various maximum outputs do not coincide, their sum is not the peak load of the system.

†25 cycles.

‡25 and 60 cycles.

## POWER RESOURCES

		DECEMBER DEPENDABLE		
		Commission Stations		
		Hydro-Electric	Thermal-Electric†	Total
		kw	kw	kw
East System . . . . .	1966	4,526,350	2,737,000	7,263,350
	1965	4,391,350	2,600,000	6,991,350
Net increase or decrease . . . . .		135,000	137,000	272,000
West System . . . . .	1966	585,800	93,000	678,800
	1965	593,500	93,000	686,500
Net increase or decrease . . . . .		7,700	.....	7,700
<b>Total . . . . .</b>	<b>1966</b>	<b>5,112,150</b>	<b>2,830,000</b>	<b>7,942,150</b>
	<b>1965</b>	<b>4,984,850</b>	<b>2,693,000</b>	<b>7,677,850</b>

\*The capacities shown are those available for a 20-minute period at the times of system primary peak demand in December, the capacity of purchased power sources being based on the terms of the purchase contract. Requirements shown are the December coincident peaks for each system and their arithmetical sum.

## Energy Made Available by the Commission

	1965		1966		Increase or Decrease
	kwh		kwh		per cent
<b>EAST SYSTEM</b>					
Generated (net)					
Hydro-electric . . . . .	25,542,175,789		29,530,577,347		15.6
Thermal-electric and combustion-turbine . . . . .	10,769,831,020		10,381,531,740		3.6
Total generated . . . . .	36,312,006,809		39,912,109,087		9.9
Purchased . . . . .	7,211,507,646		7,669,404,236		6.3
Primary . . . . .		40,471,751,780		44,462,493,025	9.9
Secondary . . . . .		3,051,762,675		3,119,020,298	2.2
Total . . . . .	43,523,514,455	43,523,514,455	47,581,513,323	47,581,513,323	9.3
<b>WEST SYSTEM</b>					
Generated (net)					
Hydro-electric . . . . .	4,002,817,760		4,128,693,170		3.1
Thermal-electric . . . . .	5,431,710		8,045,000		.....
Total generated . . . . .	3,997,386,050		4,136,738,170		3.5
Purchased . . . . .	6,833,966		34,680,359		407.5
Primary . . . . .		3,112,397,539		3,593,178,724	15.4
Secondary . . . . .		891,822,477		578,239,805	35.2
Total . . . . .	4,004,220,016	4,004,220,016	4,171,418,529	4,171,418,529	4.2
<b>TOTAL</b>					
Generated (net)					
Hydro-electric . . . . .	29,544,993,549		33,659,270,517		13.9
Thermal-electric and combustion-turbine . . . . .	10,764,399,310		10,389,576,740		3.5
Total generated . . . . .	40,309,392,859		44,048,847,257		9.3
Purchased . . . . .	7,218,341,612		7,704,084,595		6.7
Primary . . . . .		43,584,149,319		48,055,671,749	10.3
Secondary . . . . .		3,943,585,152		3,697,260,103	6.2
<b>Total . . . . .</b>	<b>47,527,734,471</b>	<b>47,527,734,471</b>	<b>51,752,931,852</b>	<b>51,752,931,852</b>	<b>8.9</b>

AND REQUIREMENTS

CAPACITY*		Primary Power Requirements*	Reserve	Ratio of Reserve to Requirements
Sources of Purchased Power	Total Dependable Capacity*			
kw	kw	kw	kw	per cent
521,500	7,784,850	8,028,055	243,205	3.0
521,300	7,512,650	7,344,331	168,319	2.3
200	272,200	683,724	.....	....
.....	678,800	537,410	141,390	26.3
.....	686,500	474,080	212,420	44.8
.....	7,700	63,330	.....	....
521,500	8,463,650	8,565,465	‡	‡
521,300	8,199,150	7,818,411	‡	‡

†Includes combustion-turbine generation.  
‡There is no interconnection between the East and West Systems.



ANALYSIS OF  
by the Commission and Associated

	SALES BY ASSOCIATED MUNICIPAL ELECTRICAL UTILITIES LISTED IN STATEMENT A
	kwh
Ultimate use:	
Residential service.....	9,950,717,298
Summer service.....	
Total sales residential-type service .....	9,950,717,298
Commercial service.....	5,615,792,307
Industrial power service—primary.....	12,057,652,228
—secondary.....	
Farm.....	
Street Lighting.....	369,846,252
Unclassified as to ultimate use:	
To interconnected systems for resale—primary.....	
—secondary.....	
Total sales to ultimate customers and for resale.....	27,994,008,085
Adjustments:	
Distribution losses and unaccounted for—M.E.U.....	1,026,753,718
Generated by M.E.U. listed in Statement A.....	210,370,297
Purchased by M.E.U. listed in Statement A from sources other than the Commission.....	201,609,353
Commission sales to municipalities and to direct and retail customers	28,608,782,153
Distribution losses and unaccounted for—Commission.....	
Transmission losses and unaccounted for—Commission.....	
Generated and purchased by the Commission.....	

\*For administrative purposes classified with retail sales.

## ENERGY SALES

## Municipal Electrical Utilities during 1966

SALES BY THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO				
To Retail Customers			To Direct Customers	TOTAL
In Certain Towns and Villages Served by Commission Distribution Facilities	In Rural Areas	Special*		
kwh	kwh	kwh	kwh	kwh
151,865,490	1,570,966,227	.....	.....	11,673,549,015
.....	130,845,233	.....	.....	130,845,233
151,865,490	1,701,811,460	.....	.....	11,804,394,248
89,773,167	478,810,358	.....	.....	6,184,375,832
20,279,887	977,967,494	678,871,470	10,255,485,048	23,990,256,127
.....	.....	31,881,388	518,709,129	550,590,517
.....	1,226,165,263	.....	.....	1,226,165,263
4,100,673	19,834,091	.....	.....	393,781,016
.....	.....	91,094,873	.....	91,094,873
.....	.....	8,159,785	3,079,952,283	3,088,112,068
266,019,217	4,404,588,666	810,007,516	13,854,146,460	47,328,769,944
.....	.....	.....	.....	1,026,753,718
.....	.....	.....	.....	210,370,297
.....	.....	.....	.....	201,609,353
266,019,217	4,404,588,666	810,007,516	13,854,146,460	47,943,544,012
19,890,482	388,502,732	.....	.....	408,393,214
.....	.....	.....	.....	3,400,994,626
.....	.....	.....	.....	51,752,931,852





## APPENDIX II—FINANCIAL

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**FIXED**  
**Statement Showing Changes during**

PROPERTY	IN		
	Balance December 31, 1965	Changes	
		Placed in Service	Equipment Relocated and Reclassified
	\$	\$	\$
<b>Power Supply Facilities</b>			
<b>HYDRO-ELECTRIC GENERATING STATIONS</b>			
Niagara River			
Sir Adam Beck-Niagara No. 1 . . . . .	96,355,515	161,280	23,211
Sir Adam Beck-Niagara No. 2 . . . . .	265,357,730	44,871	.....
Pumping-Generating Station . . . . .	40,390,742	5,854	.....
River Remedial Works and Control Structure . . . . .	10,290,193	354,748	.....
Ontario Power . . . . .	21,847,991	65,000	.....
Toronto Power . . . . .	11,546,739	.....	.....
Welland Canal			
DeCew Falls . . . . .	27,530,772	11,397	.....
St. Lawrence River			
Robert H. Saunders-St. Lawrence . . . . .	301,405,569	751,103	.....
Ottawa River			
Des Joachims . . . . .	75,031,394	44,933	.....
Otto Holden . . . . .	60,166,188	58,596	.....
Chenau . . . . .	29,850,416	2,714	.....
Chats Falls . . . . .	8,294,618	8,166	11,514
Ogoki Diversion . . . . .	5,052,955	.....	.....
Madawaska River			
Stewartville . . . . .	12,539,626	.....	.....
Barrett Chute . . . . .	4,881,244	3,329	.....
Mountain Chute . . . . .	.....	.....	.....
Abitibi River			
Abitibi Canyon . . . . .	24,408,555	4,246,721	2,998,560
Otter Rapids . . . . .	33,208,905	43,436	.....
Mississagi River			
George W. Rayner . . . . .	18,554,917	15,841	11,892
Red Rock Falls . . . . .	16,891,308	.....	.....
Aubrey Falls . . . . .	.....	.....	.....
Mattagami River			
Little Long . . . . .	45,657,467	1,637	.....
Harmon . . . . .	23,286,742	.....	.....
Kipling . . . . .	.....	23,764,793	.....
Nipigon River			
Pine Portage . . . . .	32,005,368	5,534	.....
Cameron Falls . . . . .	15,637,070	71,193	.....
Alexander . . . . .	11,970,304	434,149	.....
English River			
Caribou Falls . . . . .	24,226,908	221	.....
Manitou Falls . . . . .	15,518,788	.....	.....
Kaministiquia River			
Silver Falls . . . . .	16,004,114	6,244	.....
Winnipeg River			
Whitedog Falls . . . . .	21,308,734	1,390	.....
Aguasabon River			
Aguasabon . . . . .	12,768,314	.....	.....
Other properties . . . . .	58,926,635	586,360	28,823
<b>Total Hydro-Electric Generating Stations . . . . .</b>	<b>1,340,915,821</b>	<b>30,689,068</b>	<b>2,993,326</b>

## ASSETS

## Year 1966 and Balances at December 31, 1966

SERVICE		UNDER CONSTRUCTION DECEMBER 31, 1966	TOTAL FIXED ASSETS DECEMBER 31, 1966	EXPENDITURES DURING 1966
during Year	Balance December 31, 1966			
Sales and Retirements				
\$	\$	\$	\$	\$
177,322	96,316,262	463,727	96,779,989	345,302
48,329	265,354,272	248,255	265,602,527	175,649
.....	40,396,596	158,833	40,555,429	10,545
.....	10,644,941	.....	10,644,941	331,285
.....	21,912,991	29,771	21,942,762	6,620
.....	11,546,739	698	11,547,437	698
10,892	27,531,277	45,076	27,576,353	33,173
211,597	301,945,075	498,819	302,443,894	1,068,440
1,097	75,075,230	94,457	75,169,687	37,742
3,134	60,221,650	67,245	60,288,895	116,003
36,472	29,816,658	302,716	30,119,374	270,612
3,843	8,310,455	18,027	8,328,482	11,763
.....	5,052,955	.....	5,052,955	.....
.....	12,539,626	1,040,934	13,580,560	1,012,513
750	4,883,823	1,822,988	6,706,811	1,712,895
.....	.....	24,578,367	24,578,367	13,168,707
461,465	25,195,251	686,662	25,881,913	2,089,462
.....	33,252,341	4,036	33,256,377	11,844
1,287	18,557,579	54,393	18,611,972	46,527
.....	16,891,308	15,611	16,906,919	10,672
.....	.....	1,190,325	1,190,325	1,190,325
.....	45,659,104	317,062	45,976,166	231,028
.....	23,286,742	717,892	24,004,634	556,155
.....	23,764,793	479,765	24,244,558	5,137,708
90	32,010,812	109,871	32,120,683	97,917
.....	15,708,263	4,026	15,712,289	12,722
7,479	12,396,974	4,297	12,401,271	203,158
.....	24,226,687	8,072	24,234,759	3,891
.....	15,518,788	2,987	15,521,775	2,987
.....	16,010,358	5,835	16,016,193	6,021
2,235	21,307,889	6,594	21,314,483	4,318
.....	12,768,314	698	12,769,012	698
384,960	59,156,858	3,431,966	62,588,824	958,224
1,350,952	1,367,260,611	36,410,005	1,403,670,616	28,865,604



## FIXED

## Statement Showing Changes during

PROPERTY	IN		
	Balance December 31, 1965	Changes	
		Placed in Service	Equipment Relocated and Reclassified
	\$	\$	\$
<b>Power Supply Facilities (Continued)</b>			
THERMAL-ELECTRIC GENERATING STATIONS			
Conventional			
J. Clark Keith.....	46,647,981	58,151	2,421
Richard L. Hearn.....	147,010,755	217,431	.....
Lakeview.....	136,676,607	53,874	14,752
Lambton.....	.....	.....	.....
Nanticoke.....	.....	.....	.....
Thunder Bay.....	27,451,381	.....	.....
Nuclear—(Portion of cost borne by Commission)			
Douglas Point.....	.....	1,504,659	.....
Pickering.....	.....	.....	.....
Combustion Turbines.....	7,845,000	5,733,657	100,256
Other properties.....	904,142	236	14,752
Total Thermal-Electric Generating Stations.....	366,535,866	7,568,008	102,677
Total Generating Stations.....	1,707,451,687	38,257,076	2,890,649
TRANSFORMER STATIONS.....	309,780,512	21,863,720	3,362
TRANSMISSION LINES.....	349,655,457	19,345,373	248,432
COMMUNICATION EQUIPMENT.....	14,820,325	1,101,115	122,540
RETAIL DISTRIBUTION PLANT AND EQUIPMENT.....	328,361,853	20,287,478	267,230
Total Power Supply Facilities.....	2,710,069,834	100,854,762	3,035,349
<b>Administrative and Service Land, Buildings and Equipment</b>			
LAND AND BUILDINGS.....	29,914,102	1,169,502	2,916,795
OFFICE AND SERVICE EQUIPMENT (Note)	51,112,656	12,110,372	118,554
Total Administrative and Service Land, Buildings, and Equipment	81,026,758	13,279,874	3,035,349
TOTAL FIXED ASSETS.....	2,791,096,592	114,134,636	.....

## NOTE

The balance at December 31, 1965, for office and service equipment includes \$37,392,202 representing the original cost of tools and equipment transferred from current assets.

ASSETS

Year 1966 and Balances at December 31, 1966

SERVICE				
during Year	Balance December 31, 1966			
Sales and Retirements				
\$	\$	\$	\$	\$
45,891	46,662,662	24,863	46,687,525	34,427
1,230,441	145,997,745	2,471,791	148,469,536	2,453,429
.....	136,715,729	88,917,556	225,633,285	41,434,442
.....	.....	35,167,184	35,167,184	28,848,355
.....	.....	112,346	112,346	112,346
.....	27,451,381	4,440	27,455,821	4,440
1,005	1,503,654	2,179,510	3,683,164	387,576
.....	.....	12,381,629	12,381,629	9,148,560
.....	13,678,913	16,439,983	30,118,896	19,537,319
249,579	669,551	2,453,466	3,123,017	1,073,309
1,526,916	372,679,635	160,152,768	532,832,403	103,034,203
2,877,868	1,739,940,246	196,562,773	1,936,503,019	131,899,807
1,601,868	330,039,002	18,221,326	348,260,328	22,592,936
1,494,262	367,755,000	16,309,660	384,064,660	21,606,754
326,197	15,472,703	436,947	15,909,650	936,998
6,342,671	342,039,430	1,988,267	344,027,697	20,256,455
12,642,866	2,795,246,381	233,518,973	3,028,765,354	197,292,950
142,875	33,857,524	3,728,670	37,586,194	1,860,499
4,232,957	59,108,625	.....	59,108,625	12,110,372
4,375,832	92,966,149	3,728,670	96,694,819	13,970,871
17,018,698	2,888,212,530	237,247,643	3,125,460,173	211,263,821

Summary of Sales and Retirements during 1966

Cost of fixed assets retired .....	\$17,018,698
Deduct	
Proceeds from sales .....	\$3,311,269
Charges to operations .....	239,021
Charges to plant under construction .....	138,246
Net charge to accumulated depreciation .....	<u>\$13,330,162</u>

**ACCUMULATED DEPRECIATION**  
**for the Year Ended December 31, 1966**

	POWER SUPPLY FACILITIES		ADMINISTRATIVE AND SERVICE BUILDINGS AND EQUIPMENT	TOTAL
	Generation, Transformation, Transmission, and Communications	Retail Distribution		
	\$	\$	\$	\$
Balances at December 31, 1965.....	326,800,542	93,494,824	35,588,224	455,883,590
Add				
Provision in the year in- cluding interest at 3% per annum on accumu- lated depreciation on plant not fully depre- ciated				
Direct.....	33,019,651	12,085,660	.....	45,105,311
Indirect.....	12,598	.....	5,599,310	5,611,908
Transfers.....	1,020,114	51,771	1,071,885	.....
Excess of salvage recov- eries over removal costs on assets retired.....	814,312	90,443	8,605	896,150
Other adjustments.....	129,544	164,975	.....	294,519
	359,756,533	105,784,131	42,250,814	507,791,478
Deduct				
Cost of fixed assets retired less proceeds from sales.	4,360,291	5,507,683	3,462,188	13,330,162
Balances at December 31, 1966.....	355,396,242	100,276,448	38,788,626	494,461,316

**NOTE**

The balance at December 31, 1965, for administrative and service buildings and equipment includes \$23,356,666 representing the accumulated depreciation on tools and equipment transferred from current assets.



**FREQUENCY STANDARDIZATION ACCOUNT**  
**for the Year Ended December 31, 1966**

---

	\$
Balance at December 31, 1965 .....	128,051,088
Add interest for year .....	4,772,492
	<hr/> 132,823,580 <hr/>
Deduct	
Amortization charged to cost of power .....	12,983,391
Adjustment (Note) .....	182,288
	<hr/> 13,165,679 <hr/>
Balance at December 31, 1966 .....	119,657,901

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**NOTE**

In 1959 the Frequency Standardization Account was charged with the estimated cost of completing the standardization of customers' equipment. The standardization has been completed for \$182,288 less than estimated.

## BONDS PAYABLE AS AT DECEMBER 31, 1966

Date of Maturity	Callable on or after	Date of Issue	Interest Rate	Principal Outstanding Dec. 31, 1966
PAYABLE IN CANADIAN FUNDS— <i>Guaranteed as to principal and interest by the Province of Ontario:</i>				
			%	\$
Jan. 15, 1967	Jan. 15, 1965	Jan. 15, 1952	4	33,331,500
Mar. 15, 1967	Mar. 15, 1964	Mar. 15, 1953	4 $\frac{1}{4}$	25,608,500
Apr. 1, 1967	Apr. 1, 1965	Apr. 1, 1949	3	41,164,500
Apr. 1, 1967	Apr. 1, 1964	Apr. 1, 1947	2 $\frac{3}{4}$	14,327,000
Nov. 1, 1967	Nov. 1, 1964	Nov. 1, 1952	4 $\frac{1}{4}$	14,692,000
Nov. 1, 1967	Nov. 1, 1964	Nov. 1, 1952	4 $\frac{1}{4}$	22,238,000
Jan. 15, 1968	Jan. 15, 1966	July 15, 1949	3	41,721,000
Apr. 15, 1968	Apr. 15, 1966	Apr. 15, 1952	4	31,646,500
Oct. 1, 1968	Oct. 1, 1965	Oct. 1, 1947	2 $\frac{3}{4}$	19,213,000
July 1, 1969	.....	July 1, 1959	5 $\frac{3}{4}$	11,710,500
July 15, 1969	July 15, 1966	July 15, 1953	4 $\frac{1}{4}$	26,236,000
July 15, 1969	July 15, 1966	July 15, 1953	4 $\frac{1}{4}$	18,526,000
Nov. 1, 1969	Nov. 1, 1967	Nov. 1, 1949	3	48,518,000
Jan. 1, 1970	.....	Jan. 1, 1930	4 $\frac{3}{4}$	9,289,000
Feb. 15, 1970	.....	Feb. 15, 1960	6	14,724,000
Apr. 1, 1970	Apr. 1, 1968	Apr. 1, 1950	3	52,546,000
June 15, 1970	.....	June 15, 1962	4 $\frac{1}{2}$	10,415,500
July 15, 1970	.....	July 15, 1960	5 $\frac{1}{4}$	4,862,500
Oct. 15, 1970	Oct. 15, 1969	Oct. 15, 1958	4 $\frac{1}{2}$	4,718,000
Feb. 1, 1971	.....	Feb. 1, 1964	5	15,997,100
Feb. 15, 1971	.....	Feb. 15, 1961	5 $\frac{1}{4}$	5,300,000
Mar. 1, 1971	.....	Mar. 1, 1963	5	13,475,000
June 1, 1971	June 1, 1961	June 1, 1946	2 $\frac{3}{4}$	18,034,000
Nov. 15, 1971	.....	Nov. 15, 1961	4 $\frac{3}{4}$	6,841,500
June 15, 1973	June 15, 1971	June 15, 1950	3	54,300,000
July 15, 1974	July 15, 1972	July 15, 1956	4	48,259,000
Oct. 15, 1974	Oct. 15, 1972	Oct. 15, 1956	4 $\frac{1}{2}$	26,010,500
Aug. 15, 1975	Feb. 15, 1972	Feb. 15, 1957	4 $\frac{3}{4}$	34,907,000
Jan. 15, 1976	Jan. 15, 1974	Jan. 15, 1956	4	47,954,000
Nov. 15, 1976	Nov. 15, 1974	Nov. 15, 1957	5	35,576,000
Mar. 1, 1977	Mar. 1, 1975	Mar. 1, 1955	3 $\frac{1}{2}$	39,200,000
Apr. 1, 1977	Apr. 1, 1974	Apr. 1, 1957	5	78,244,000
Mar. 1, 1978	Mar. 1, 1976	Mar. 1, 1958	4 $\frac{1}{2}$	35,313,000
Oct. 15, 1978	Oct. 15, 1976	Oct. 15, 1958	5	48,918,000
May 15, 1979	May 15, 1974	May 15, 1954	3 $\frac{1}{2}$	35,000,000
July 1, 1979	.....	July 1, 1959	5 $\frac{3}{4}$	30,450,000
Oct. 15, 1979	Oct. 15, 1974	Oct. 15, 1954	3 $\frac{1}{2}$	49,975,000
Feb. 15, 1980	Feb. 15, 1978	Feb. 15, 1960	6	28,003,000
July 15, 1980	July 15, 1978	July 15, 1960	5 $\frac{1}{2}$	39,842,500
Feb. 15, 1981	Feb. 15, 1979	Feb. 15, 1961	5 $\frac{1}{2}$	41,901,500
June 15, 1982	June 15, 1979	June 15, 1962	5	35,436,000
Mar. 1, 1983	Mar. 1, 1980	Mar. 1, 1963	5 $\frac{1}{4}$	44,268,000
June 15, 1983	June 15, 1979	June 15, 1963	5	55,112,800
Nov. 15, 1983	Nov. 15, 1980	Nov. 15, 1961	5 $\frac{1}{4}$	42,085,000
Feb. 1, 1984	Feb. 1, 1981	Feb. 1, 1964	5 $\frac{1}{4}$	54,608,000
Oct. 1, 1984	Oct. 1, 1980	Oct. 1, 1964	5 $\frac{1}{4}$	64,944,000
Feb. 1, 1985	Feb. 1, 1981	Feb. 1, 1965	5 $\frac{1}{4}$	75,000,000
Jan. 4, 1988	Jan. 4, 1984	Jan. 4, 1966	5 $\frac{3}{4}$	55,000,000
Apr. 15, 1988	Apr. 15, 1984	Apr. 15, 1966	6	50,000,000
July 5, 1988	July 5, 1984	July 5, 1966	6	50,000,000
				1,705,442,400

## BONDS PAYABLE AS AT DECEMBER 31, 1966—Concluded

Date of Maturity	Callable on or after	Date of Issue	Interest Rate	Principal Outstanding Dec. 31, 1966
PAYABLE IN UNITED STATES FUNDS— <i>Held by Province of Ontario and having terms identical with issues sold in the United States by the Province of Ontario on behalf of the Commission:</i>				
May 15, 1971	May 15, 1956	May 15, 1951	%	\$
Sept. 1, 1972	Sept. 1, 1956	Sept. 1, 1951	3½	47,440,000
Feb. 1, 1975	Feb. 1, 1958	Feb. 1, 1953	3½	42,366,000
Nov. 1, 1978	Nov. 1, 1958	Nov. 1, 1953	3½	46,737,000
Mar. 15, 1980	Mar. 15, 1959	Mar. 15, 1954	3⅝	48,648,000
May 15, 1981	May 15, 1961	May 15, 1956	3⅝	29,920,000
Feb. 1, 1984	Feb. 1, 1969	Feb. 1, 1959	3⅞	44,241,000
Sept. 15, 1990	Sept. 15, 1975	Sept. 15, 1965	4¾	73,443,000
Apr. 1, 1996	Apr. 1, 1981	Apr. 1, 1966	4¾	50,000,000
			5½	35,000,000
				417,795,000
Exchange Premium (Net) at date of issue.....				5,433,640
				423,228,640
Total bonds payable.....				2,128,671,040

## Summary of Changes in Bonds Payable during the Year Ended December 31, 1966

Outstanding at December 31, 1965.....	\$2,028,270,824
Less redemptions during the year.....	92,334,159
	1,935,936,665
Add new bond issues during the year.....	192,734,375
Outstanding at December 31, 1966.....	\$2,128,671,040

## ADVANCES FROM THE PROVINCE OF ONTARIO AS AT DECEMBER 31, 1966

*Annuity bonds repayable to the Province in accordance with the terms of Province of Ontario bonds issued in part for the purposes of the Commission*

Date of Maturity	Interest Rate	Balance of Advances Outstanding December 31, 1966 (Payable in Canadian, United States, or Sterling Funds)
	%	\$
May 15, 1967–1968.....	4	875,021
May 15, 1967–1970.....	4½	1,627,479
Jan. 15, 1967–1971.....	4½	1,362,998
June 1, 1967–1971.....	4	1,868,948
Total advances.....		5,734,446

## Summary of Changes in Advances from the Province of Ontario during the Year Ended December 31, 1966

Balance of advances at December 31, 1965.....	\$7,453,263
Less repayments during year.....	1,718,817
Balance of advances at December 31, 1966.....	\$5,734,446



# STATEMENT OF THE ALLOCATION OF THE for the Year

MUNICIPALITY	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COMMON DEMAND COSTS (Note 1)	TRANSFORMATION AND METERING (Note 2)		SPECIAL FACILITIES (Note 3)	FREQUENCY STANDARDI- ZATION
	Average of Monthly Peak Loads	Energy		Stage I	Stage II		
	kw	megawatt- hours	\$	\$	\$	\$	\$
Acton.....	5,163.6	27,795.7	122,579	11,826	.....	711	15,491
Ailsa Craig.....	441.4	2,060.0	10,479	991	1,160	.....	1,324
Ajax.....	9,399.5	53,519.8	223,137	21,526	.....	1,809	.....
Alexandria.....	3,297.2	17,531.8	78,273	7,404	8,663	347	.....
Alfred.....	856.7	3,991.2	20,337	1,924	2,251	.....	.....
Alliston.....	3,330.8	18,364.5	79,070	7,507	7,085	730	.....
Almonte.....*	2,375.9	12,061.1	56,403	5,441	.....	2,149	.....
Alvinston.....	295.2	1,309.5	7,007	663	776	.....	886
Amherstburg.....	4,109.0	25,552.0	97,544	9,411	.....	1,540	12,327
Ancaster Twp.....	2,694.3	13,971.2	63,961	6,050	7,079	.....	8,083
Apple Hill.....	128.7	587.6	3,055	289	338	.....	.....
Arkona.....	302.8	1,589.3	7,188	680	796	.....	908
Arnprior.....	6,081.3	35,033.9	144,366	13,682	14,365	1,746	.....
Arthur.....	969.0	4,848.0	23,003	2,176	2,546	227	.....
Athens.....	569.3	2,963.1	13,516	1,278	1,496	.....	.....
Atikokan Twp.....	4,032.6	22,812.8	95,730	9,055	10,596	8,640	.....
Aurora.....	7,212.6	40,876.4	171,220	16,517	.....	2,510	21,638
Avonmore.....	186.9	860.8	4,436	420	491	.....	.....
Aylmer.....	4,709.1	24,792.8	111,789	10,618	9,799	700	14,127
Ayr.....	916.1	4,295.3	21,747	2,057	2,407	.....	2,748
Baden.....	964.5	4,717.0	22,897	2,185	1,425	95	2,894
Bancroft.....*	1,455.1	6,623.8	34,543	3,267	3,823	.....	.....
Barrie.....	25,363.6	143,104.0	602,118	58,086	.....	.....	.....
Barry's Bay.....	644.4	3,123.0	15,297	1,447	1,693	.....	.....
Bath.....	427.7	2,208.2	10,155	960	1,124	.....	.....
Beachburg.....	403.5	2,065.8	9,578	906	1,060	.....	.....
Beachville.....	2,474.6	16,440.0	58,745	5,668	.....	253	7,424
Beamsville.....	2,078.8	11,288.3	49,350	4,761	.....	9	6,236
Beaverton.....	1,508.6	8,129.8	35,812	3,454	.....	925	.....
Beeton.....	635.6	3,210.1	15,088	1,427	1,670	449	.....
Belle River.....	1,031.9	5,786.4	24,497	2,317	2,711	.....	3,096
Belleville.....	27,205.2	157,324.4	645,831	62,304	.....	2,162	.....
Belmont.....	1,138.1	5,643.2	27,017	2,556	2,990	.....	3,414
Blenheim.....	2,038.6	10,570.9	48,393	4,578	5,356	.....	6,116
Bloomfield.....	520.7	2,320.4	12,361	1,192	.....	.....	.....
Blyth.....	798.5	4,252.6	18,956	1,793	2,098	.....	2,396
Bobcaygeon.....	1,119.6	6,364.0	26,579	2,514	2,942	417	.....
Bolton.....	1,604.2	8,909.3	38,082	3,602	4,215	.....	4,813
Bothwell.....	548.3	2,636.3	13,016	1,231	1,441	.....	1,645
Bowmanville.....	9,592.2	52,928.0	227,711	21,968	.....	1,279	.....

\*See note 7, page 136.

## COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1966

RETURN ON EQUITY	ENERGY @ 2.75 MILLS PER KWH (Note 4)	COST OF PRIMARY POWER ALLOCATED	AMOUNTS BILLED AT INTERIM RATES	BALANCE (Refunded or Charged)	DEMAND RATES PER KW PER ANNUM (Note 6)		TOTAL COST OF PRIMARY POWER
					Interim	Actual	Mills per Kwh
\$	\$	\$	\$	\$	\$	\$	
20,042	76,438	207,003	209,187.06	2,184.06	25.80	25.29	7.45
2,199	5,665	17,420	17,309.95	110.05	26.80	26.64	8.46
10,217	147,180	383,435	379,368.45	4,066.55	25.30	25.13	7.16
8,177	48,212	134,722	133,976.26	745.74	26.40	26.25	7.68
888	10,976	34,600	34,242.09	357.91	27.90	27.58	8.67
8,373	50,502	136,521	136,238.70	282.30	26.10	25.84	7.43
4,322	33,168	92,839	91,306.16	1,532.84	24.90	25.11	7.70
2,349	3,601	10,584	10,521.18	62.82	23.50	23.66	8.08
16,115	70,268	174,975	175,221.10	246.10	25.10	25.48	6.85
7,483	38,421	116,111	115,386.86	724.14	29.00	28.84	8.31
640	1,616	4,658	4,619.14	38.86	24.20	23.65	7.93
1,714	4,371	12,229	12,182.32	46.68	27.00	25.96	7.69
13,667	96,343	256,835	254,732.65	2,102.35	27.30	26.39	7.33
3,873	13,332	37,411	37,358.30	52.70	25.10	24.86	7.72
1,979	8,149	22,460	22,710.09	250.09	26.00	25.14	7.58
10,393	62,735	176,363	165,083.59	11,279.41	26.00	28.18	7.73
13,482	112,410	310,813	311,342.88	529.88	27.90	27.51	7.60
353	2,367	7,361	7,454.71	93.71	27.10	26.73	8.55
15,564	68,180	199,649	200,464.11	815.11	28.30	27.92	8.05
3,540	11,812	37,231	36,505.27	725.73	27.80	27.76	8.67
5,118	12,972	37,350	37,282.55	67.45	25.30	25.28	7.92
2,945	18,215	56,903	56,526.66	376.34	26.80	26.60	8.59
58,118	393,536	995,622	982,579.83	13,042.17	23.60	23.74	6.96
1,027	8,588	25,998	25,466.38	531.62	27.30	27.02	8.32
1,133	6,073	17,179	17,187.28	8.28	26.50	25.97	7.78
695	5,681	16,530	16,461.74	68.26	27.40	26.89	8.00
9,645	45,210	107,655	108,364.16	709.16	25.30	25.23	6.55
5,699	31,043	85,700	85,551.39	148.61	26.80	26.29	7.59
4,820	22,357	57,728	58,861.83	1,133.83	23.70	23.45	7.10
2,879	8,828	24,583	23,815.46	767.54	24.00	24.80	7.66
3,420	15,913	45,114	43,776.03	1,337.97	28.40	28.31	7.80
77,859	432,642	1,065,080	1,060,277.15	4,802.85	23.30	23.25	6.77
842	15,519	50,654	50,498.83	155.17	31.00	30.88	8.98
8,133	29,070	85,380	84,980.31	399.69	27.60	27.63	8.08
2,056	6,381	17,878	17,660.20	217.80	22.20	22.08	7.70
3,089	11,695	33,849	33,818.86	30.14	27.90	27.75	7.96
2,125	17,501	47,828	46,472.38	1,355.62	27.10	27.09	7.52
4,246	24,500	70,966	71,458.39	492.39	29.70	28.97	7.97
2,536	7,250	22,047	21,894.79	152.21	27.20	26.99	8.36
27,340	145,552	369,170	372,223.63	3,053.63	23.80	23.31	6.97

STATEMENT OF THE ALLOCATION OF THE  
for the Year

MUNICIPALITY	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COMMON DEMAND COSTS (Note 1)	TRANSFORMATION AND METERING (Note 2)		SPECIAL FACILITIES (Note 3)	FREQUENCY STANDARDI- ZATION
	Average of Monthly Peak Loads	Energy		Stage I	Stage II		
	kw	megawatt- hours	\$	\$	\$	\$	\$
Bracebridge.....*	985.0	2,495.2	23,384	2,256	.....	.....	.....
Bradford.....	2,261.6	12,487.1	53,689	5,141	2,261	.....	.....
Braeside.....	1,930.4	9,033.9	45,826	4,413	465	288	.....
Brampton.....	30,469.1	171,568.8	723,314	69,642	.....	.....	91,407
Brantford.....	58,558.9	329,203.3	1,390,148	134,107	.....	.....	175,676
Brantford Twp.....	9,065.8	51,082.6	215,214	20,650	6,596	8,359	27,197
Brechin.....	165.1	798.4	3,920	371	434	.....	.....
Bridgeport.....	1,324.8	7,057.6	31,449	2,975	3,481	.....	3,974
Bridgen.....	292.3	1,386.8	6,939	656	768	.....	877
Brighton.....	2,039.6	11,187.2	48,418	4,671	.....	.....	.....
Brockville.....	20,407.2	117,080.5	484,452	46,735	.....	.....	.....
Brussels.....	708.0	3,424.0	16,808	1,590	1,860	.....	2,124
Burford.....	910.8	4,466.2	21,622	2,045	2,393	.....	2,732
Burgessville.....	249.8	1,014.0	5,930	561	656	238	749
Burk's Falls.....	840.2	4,806.0	19,947	1,887	2,208	513	.....
Burlington.....	49,009.7	276,354.7	1,163,454	111,782	26,849	61,113	147,029
Cache Bay.....	185.1	860.7	4,395	416	486	.....	.....
Caledonia.....	1,329.5	7,313.6	31,560	2,985	3,493	.....	3,989
Campbellford.....*	1,763.8	5,512.1	41,871	4,040	.....	26	.....
Campbellville.....	177.8	870.8	4,221	399	467	.....	533
Cannington.....	809.5	4,373.6	19,216	1,854	.....	.....	.....
Capreol.....	2,203.3	12,103.9	52,304	5,045	.....	153	.....
Cardinal.....	955.8	4,917.7	22,690	2,146	2,511	.....	.....
Carleton Place.....	3,619.6	20,421.1	85,927	8,143	8,656	191	.....
Casselman.....	912.9	4,043.7	21,672	2,050	2,399	.....	.....
Cayuga.....	622.6	3,349.2	14,780	1,398	1,636	67	1,868
Chalk River.....	574.1	3,119.4	13,629	1,289	1,508	.....	.....
Chapleau.....	1,448.6	7,484.0	34,389	3,253	3,806	.....	.....
Chatham.....	29,559.6	161,051.2	701,721	67,695	.....	.....	88,679
Chatsworth.....	299.0	1,512.8	7,098	671	786	.....	.....
Chesley.....	1,423.1	6,878.4	33,785	3,195	3,739	141	.....
Chesterville.....	1,675.0	7,848.7	39,762	3,761	4,401	.....	.....
Chippawa.....	1,692.8	8,814.9	40,186	3,801	4,448	.....	5,078
Clifford.....	418.9	2,225.0	9,945	941	1,101	.....	1,257
Clinton.....	2,664.1	14,045.5	63,242	6,101	.....	479	7,992
Cobden.....	740.9	3,696.0	17,587	1,664	1,947	.....	.....
Cobourg.....	13,484.8	77,153.6	320,120	30,882	.....	4,292	.....
Cochrane.....	3,781.9	20,139.3	89,779	169	.....	.....	.....
Colborne.....	1,181.9	6,376.8	28,057	2,654	3,105	.....	.....
Coldwater.....	696.3	3,467.5	16,529	1,571	1,401	207	.....

\*See note 7, page 136.



## COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1966

RETURN ON EQUITY	ENERGY @ 2.75 MILLS PER KWH (Note 4)	COST OF PRIMARY POWER ALLOCATED	AMOUNTS BILLED AT INTERIM RATES	BALANCE (Refunded or Charged)	DEMAND RATES PER KW PER ANNUM (Note 6)		TOTAL COST OF PRIMARY POWER
					Interim	Actual	Mills per Kwh
\$	\$	\$	\$	\$	\$	\$	
357	6,862	32,145	30,495.06	1,649.94	25.90	25.67	12.88
6,461	34,339	88,969	92,037.37	3,068.37	26.00	24.17	7.12
2,487	24,843	73,348	72,426.08	921.92	25.00	25.13	8.12
49,949	471,814	1,306,228	1,295,687.23	10,540.77	27.60	27.39	7.61
224,765	905,309	2,380,475	2,371,523.13	8,951.87	25.20	25.19	7.23
15,812	140,477	402,681	401,439.71	1,241.29	29.30	28.93	7.88
896	2,196	6,025	6,031.04	6.04	23.60	23.19	7.55
3,120	19,408	58,167	57,251.18	915.82	29.10	29.26	8.24
1,822	3,814	11,232	11,093.51	138.49	25.40	25.39	8.10
5,652	30,765	78,202	77,142.26	1,059.74	23.50	23.26	6.99
59,786	321,971	793,372	787,852.36	5,519.64	23.20	23.10	6.78
3,450	9,416	28,348	28,246.38	101.62	26.80	26.75	8.28
3,550	12,282	37,524	37,416.95	107.05	28.00	27.72	8.40
1,072	2,789	9,851	9,463.85	387.15	27.20	28.28	9.71
1,566	13,217	36,206	35,152.61	1,053.39	26.90	27.37	7.53
61,734	759,975	2,208,468	2,168,537.94	39,930.06	29.30	29.57	7.99
1,174	2,367	6,490	6,689.36	199.36	23.50	22.28	7.54
5,193	20,112	56,946	56,860.35	85.65	27.80	27.71	7.79
991	15,158	60,104	59,135.16	968.84	25.60	25.48	10.90
800	2,395	7,215	7,126.71	88.29	26.90	27.12	8.29
3,232	12,027	29,865	29,552.92	312.08	22.40	22.04	6.83
5,186	33,286	85,602	85,444.33	157.67	24.00	23.75	7.07
3,648	13,524	37,223	37,412.30	189.30	25.20	24.80	7.57
19,509	56,158	139,566	135,949.93	3,616.07	22.50	23.04	6.83
1,546	11,120	35,695	35,938.37	243.37	27.40	26.93	8.83
2,479	9,210	26,480	26,237.75	242.25	27.90	27.75	7.91
996	8,578	24,008	23,895.29	112.71	26.90	26.89	7.70
1,191	20,581	60,838	60,634.16	203.84	28.50	27.80	8.13
94,237	442,891	1,206,749	1,192,608.48	14,140.52	25.70	25.84	7.49
1,313	4,160	11,402	11,591.33	189.33	24.90	24.23	7.54
7,488	18,916	52,288	52,479.50	191.50	23.80	23.46	7.60
5,930	21,584	63,578	63,794.24	216.24	25.40	25.08	8.10
4,768	24,241	72,986	72,797.78	188.22	29.20	28.80	8.28
1,994	6,119	17,369	17,210.75	158.25	26.90	26.86	7.81
10,847	38,625	105,592	105,418.35	173.65	25.30	25.14	7.52
1,931	10,164	29,431	29,287.29	143.71	26.40	26.01	7.96
32,258	212,172	535,208	527,343.65	7,864.35	24.00	23.96	6.94
4,581	55,383	140,750	139,713.48	1,036.52	22.60	22.57	6.99
3,259	17,536	48,093	47,520.99	572.01	25.90	25.86	7.54
2,755	9,536	26,489	25,192.59	1,296.41	23.70	24.34	7.64

# STATEMENT OF THE ALLOCATION OF THE for the Year

MUNICIPALITY	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COMMON DEMAND COSTS (Note 1)	TRANSFORMATION AND METERING (Note 2)		SPECIAL FACILITIES (Note 3)	FREQUENCY STANDARDI- ZATION
	Average of Monthly Peak Loads	Energy		Stage I	Stage II		
	kw	megawatt- hours	\$	\$	\$	\$	\$
Collingwood.....	7,874.2	44,558.7	186,927	17,854	10,502	.....	.....
Comber.....	374.2	1,795.2	8,882	840	983	.....	1,123
Coniston.....	1,255.3	6,838.4	29,801	2,875	.....	66	.....
Cookstown.....	474.4	2,358.8	11,262	1,065	1,246	.....	.....
Cottam.....	294.9	1,515.2	6,999	662	775	.....	885
Courtright.....	246.8	1,267.6	5,858	554	648	.....	740
Creemore.....	645.7	3,112.8	15,327	1,450	1,697	.....	.....
Dashwood.....	394.1	1,703.4	9,354	885	1,035	.....	1,182
Deep River.....	4,417.1	25,316.4	104,859	9,918	11,606	.....	.....
Delaware.....	269.8	1,282.0	6,404	606	709	.....	809
Delhi.....	2,884.9	15,118.1	68,485	6,607	.....	.....	8,655
Deseronto.....	1,226.6	6,477.6	29,119	2,754	3,223	660	.....
Dorchester.....	542.6	2,688.0	12,881	1,218	1,426	.....	1,628
Drayton.....	487.8	2,314.7	11,581	1,095	1,282	.....	1,463
Dresden.....	1,952.9	10,645.9	46,360	4,426	2,698	2,059	5,859
Drumbo.....	267.9	1,259.3	6,360	602	704	55	804
Dryden.....	4,426.1	25,541.8	105,071	9,939	11,629	2,337	.....
Dublin.....	310.4	1,419.0	7,368	697	816	.....	931
Dundalk.....	921.3	4,081.8	21,872	2,069	2,421	71	.....
Dundas.....	11,781.9	62,777.5	279,693	26,982	.....	4,574	35,346
Dunnville.....	4,212.8	24,153.8	100,009	9,648	.....	1,167	12,638
Durham.....	2,163.1	10,562.4	51,349	4,857	5,683	.....	.....
Dutton.....	459.9	2,379.1	10,917	1,033	1,208	.....	1,380
East York Twp.....	41,663.9	242,071.6	989,071	95,416	.....	15,336	124,991
Eganville.....*	769.6	3,478.7	18,270	1,728	2,022	.....	.....
Elmira.....	5,853.6	30,293.2	138,960	13,406	.....	883	17,561
Elmvale.....	844.6	4,585.6	20,050	1,897	2,219	.....	.....
Elmwood.....	219.7	911.4	5,215	493	577	.....	.....
Elora.....	1,017.0	5,287.4	24,144	2,284	2,672	.....	3,051
Embro.....	473.2	2,465.6	11,232	1,063	1,243	.....	1,420
Embrun.....	937.1	4,279.2	22,246	2,104	2,462	.....	.....
Erieau.....	504.8	2,691.2	11,985	1,133	1,326	.....	1,514
Erie Beach.....	90.4	384.0	2,146	203	238	.....	271
Erin.....	840.9	4,465.2	19,961	1,888	2,209	.....	.....
Espanola.....	3,132.2	17,751.5	74,356	7,173	.....	889	.....
Essex.....	2,248.0	12,955.1	53,366	5,148	.....	.....	6,744
Etobicoke Twp.....	190,654.6	1,157,484.5	4,526,003	436,312	12,123	108,129	571,963
Exeter.....	2,684.7	14,690.4	63,733	6,028	7,054	209	8,054
Fergus.....	5,178.4	25,643.3	122,931	11,859	.....	874	15,535
Finch.....	325.8	1,438.4	7,733	732	856	.....	.....

\*See note 7, page 136.

## COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1966

RETURN ON EQUITY	ENERGY @ 2.75 MILLS PER KWH Note 4)	COST OF PRIMARY POWER ALLOCATED	AMOUNTS BILLED AT INTERIM RATES	BALANCE (Refunded or Charged)	DEMAND RATES PER KW PER ANNUM (Note 6)		TOTAL COST OF PRIMARY POWER
					Interim	Actual	Mills per Kwh
\$	\$	\$	\$	\$	\$	\$	
29,678	122,536	308,141	304,337.49	3,803.51	23.70	23.57	6.92
2,519	4,937	14,246	14,129.77	116.23	25.10	24.89	7.94
1,390	18,806	50,158	49,840.37	317.63	25.20	24.97	7.33
1,583	6,487	18,477	18,272.82	204.18	25.60	25.28	7.83
1,344	4,167	12,144	12,514.71	370.71	27.60	27.06	8.01
1,140	3,486	10,146	10,084.17	61.83	27.50	27.00	8.00
2,494	8,560	24,540	24,408.84	131.16	25.10	24.76	7.88
1,759	4,684	15,381	15,245.20	135.80	27.20	27.16	9.03
4,862	69,620	191,141	188,295.69	2,845.31	27.40	27.52	7.55
1,059	3,526	10,995	10,937.17	57.83	27.90	27.69	8.58
7,637	41,575	117,685	117,078.96	606.04	26.50	26.38	7.78
3,964	17,813	49,605	48,914.57	690.43	25.50	25.93	7.66
1,870	7,392	22,675	22,571.20	103.80	28.30	28.17	8.44
2,445	6,365	19,341	19,161.18	179.82	26.90	26.61	8.36
7,374	29,276	83,304	84,427.82	1,123.82	28.50	27.66	7.83
1,436	3,463	10,552	10,488.76	63.24	26.60	26.47	8.38
7,375	70,240	191,841	189,918.95	1,922.05	27.30	27.48	7.51
1,197	3,902	12,517	12,763.33	246.33	28.50	27.76	8.82
3,108	11,225	34,550	34,477.06	72.94	25.10	25.33	8.46
33,089	172,638	486,144	481,842.25	4,301.75	26.60	26.61	7.74
17,762	66,423	172,123	173,386.55	1,263.55	25.40	25.09	7.13
7,114	29,047	83,822	84,222.28	400.28	25.70	25.33	7.94
3,241	6,543	17,840	17,957.92	117.92	24.80	24.57	7.50
135,525	665,698	1,754,987	1,756,633.61	1,646.61	26.40	26.15	7.25
1,098	9,567	30,489	30,098.35	390.65	27.50	27.19	8.76
18,055	83,306	236,061	234,053.51	2,007.49	26.30	26.10	7.79
2,993	12,610	33,783	33,854.20	71.20	25.40	25.08	7.37
1,098	2,506	7,693	7,719.24	26.24	24.20	23.62	8.44
6,124	14,540	40,567	39,837.37	729.63	25.50	25.60	7.67
2,148	6,780	19,590	19,501.41	88.59	27.30	27.08	7.95
852	11,768	37,728	37,208.03	519.97	27.90	27.71	8.82
2,218	7,401	21,141	21,384.78	243.78	27.70	27.23	7.86
390	1,056	3,524	3,469.26	54.74	26.90	27.31	9.18
1,405	12,279	34,932	34,628.13	303.87	27.00	26.95	7.82
2,259	48,817	128,976	126,506.60	2,469.40	25.30	25.59	7.27
8,426	35,627	92,459	91,928.25	530.75	25.80	25.28	7.14
285,688	3,183,082	8,551,924	8,430,545.15	121,378.85	27.90	28.16	7.39
10,973	40,399	114,504	114,330.35	173.65	27.80	27.61	7.79
17,479	70,519	204,239	194,852.45	9,386.55	25.80	25.82	7.96
1,377	3,956	11,900	11,899.99	.01	24.60	24.39	8.27



STATEMENT OF THE ALLOCATION OF THE  
for the Year

MUNICIPALITY	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COMMON DEMAND COSTS (Note 1)	TRANSFORMATION AND METERING (Note 2)		SPECIAL FACILITIES (Note 3)	FREQUENCY STANDARDI- ZATION
	Average of Monthly Peak Loads	Energy		Stage I	Stage II		
	kw	megawatt- hours	\$	\$	\$	\$	\$
Flesherton.....	470.9	2,159.0	11,179	1,057	1,237	40	.....
Fonthill.....	1,487.1	7,724.5	35,303	3,339	3,907	.....	4,461
Forest.....	1,680.7	9,660.0	39,898	3,774	4,416	79	5,042
Forest Hill.....	18,191.5	101,659.0	431,853	41,661	.....	2,771	54,575
Fort William.....	40,525.8	248,843.3	906,849	92,809	.....	.....	.....
Frankford.....	1,092.1	5,851.9	25,926	2,452	2,869	.....	.....
Galt.....	33,668.3	189,370.6	799,261	77,098	.....	.....	101,005
Georgetown.....	9,896.4	56,804.2	234,934	22,664	.....	1,739	29,689
Glencoe.....	806.8	4,045.6	19,153	1,812	2,120	41	2,420
Gloucester Twp.....	16,820.1	100,296.9	399,295	37,769	44,194	.....	.....
Goderich.....	7,650.5	39,842.6	181,618	17,521	.....	945	22,952
Grand Bend.....	904.4	4,586.0	21,470	2,031	2,376	110	2,713
Grand Valley.....	627.1	2,837.4	14,887	1,408	1,648	.....	.....
Granton.....	163.6	734.6	3,885	367	430	.....	491
Gravenhurst.....	2,794.9	15,196.8	66,349	6,276	7,344	86	.....
Grimsby.....	3,904.7	21,377.3	92,696	8,768	10,260	380	11,714
Guelph.....	53,261.8	312,574.0	1,264,395	115,242	5,010	86	159,785
Hagersville.....	1,812.4	8,254.8	43,026	4,070	4,762	1,033	5,437
Hamilton.....	503,250.1	3,424,790.0	11,946,785	1,152,507	.....	.....	1,345,941
Hanover.....	6,337.1	28,568.8	150,438	14,392	7,123	611	.....
Harriston.....	1,669.2	9,276.6	39,625	3,823	.....	319	5,008
Harrow.....	1,750.6	9,980.8	41,558	3,932	4,564	.....	5,252
Hastings.....	662.6	3,633.6	15,730	1,488	1,741	.....	.....
Havelock.....	682.7	3,660.0	16,206	1,533	1,794	.....	.....
Hawkesbury.....	5,455.4	28,922.4	129,508	12,494	.....	.....	.....
Hearst.....	2,650.2	12,509.1	62,915	6,069	.....	1,411	.....
Hensall.....	1,009.4	5,024.8	23,962	2,267	2,652	127	3,028
Hespeler.....	7,370.1	37,797.1	174,961	16,878	.....	520	22,110
Highgate.....	185.3	807.4	4,400	416	487	.....	556
Holstein.....	132.8	613.4	3,151	298	349	.....	.....
Huntsville.....	3,110.5	17,146.2	73,841	7,123	.....	.....	.....
Ingersoll.....	6,862.0	37,191.3	162,898	15,715	.....	3,263	20,586
Iroquois.....	972.3	5,127.6	23,082	2,183	2,555	.....	.....
Jarvis.....	447.6	2,061.2	10,625	1,005	1,176	.....	1,343
Kapuskasing.....	4,875.2	23,845.1	115,734	11,165	.....	818	.....
Kemptville.....	2,246.2	11,539.3	53,323	5,044	5,902	395	.....
Killaloe Station.....	421.8	2,106.6	10,013	947	1,108	.....	.....
Kincardine.....	2,641.8	14,120.7	62,714	5,994	3,311	2,530	.....
King City.....	1,265.6	6,960.9	30,043	2,842	3,325	.....	3,797
Kingston.....	70,594.7	422,123.5	1,675,865	116,715	.....	.....	.....

## COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1966

RETURN ON EQUITY	ENERGY @ 2.75 MILLS PER KWH (Note 4)	COST OF PRIMARY POWER ALLOCATED	AMOUNTS BILLED AT INTERIM RATES	BALANCE (Refunded or Charged)	DEMAND RATES PER KW PER ANNUM (Note 6)		TOTAL COST OF PRIMARY POWER
					Interim	Actual	Mills per Kwh
\$	\$	\$	\$	\$	\$	\$	
1,565	5,937	17,885	17,930.73	45.73	25.70	25.38	8.28
3,942	21,242	64,310	63,735.63	574.37	29.00	28.97	8.33
8,405	26,565	71,369	70,736.36	632.64	26.80	26.67	7.39
63,356	279,562	747,066	745,111.11	1,954.89	26.00	25.70	7.35
175,275	684,319	1,508,702	1,510,415.99	1,713.99	20.80	20.34	6.06
1,764	16,093	45,576	45,042.53	533.47	27.10	27.00	7.79
119,561	520,769	1,378,572	1,368,441.67	10,130.33	25.50	25.48	7.28
29,204	156,212	416,034	416,824.65	790.65	26.70	26.26	7.32
3,952	11,125	32,719	32,653.87	65.13	27.10	26.77	8.09
16,457	275,816	740,617	722,982.51	17,634.49	27.30	27.64	7.38
28,043	109,567	304,560	304,879.14	319.14	25.70	25.48	7.64
2,835	12,612	38,477	38,377.30	99.70	28.70	28.61	8.39
2,755	7,803	22,991	22,400.63	590.37	23.90	24.23	8.10
1,078	2,020	6,115	5,793.52	321.48	23.70	25.03	8.32
11,448	41,791	110,398	109,548.48	849.52	24.70	24.55	7.26
8,850	58,788	173,756	173,823.37	67.37	29.80	29.45	8.13
151,267	859,578	2,252,829	2,175,771.05	77,057.95	25.70	26.15	7.21
12,366	22,701	68,663	68,094.00	569.00	25.20	25.37	8.32
1,494,752	9,418,173	22,368,654	22,039,147.56	329,506.44	25.50	25.73	6.53
18,183	78,564	232,945	228,628.78	4,316.22	24.30	24.37	8.15
7,249	25,511	67,037	67,259.77	222.77	25.20	24.88	7.23
7,486	27,447	75,267	75,207.49	59.51	27.80	27.32	7.54
1,846	9,992	27,105	27,202.24	97.24	26.10	25.83	7.46
3,052	10,065	26,546	26,616.00	70.00	24.80	24.15	7.25
5,799	79,537	215,740	214,316.71	1,423.29	25.00	24.97	7.46
4,138	34,400	100,657	94,401.53	6,255.47	23.80	25.00	8.05
4,046	13,818	41,808	41,830.58	22.58	27.90	27.74	8.32
29,379	103,942	289,032	288,108.84	923.16	25.20	25.11	7.65
1,542	2,220	6,537	7,002.26	465.26	25.20	23.30	8.10
583	1,687	4,902	4,896.55	5.45	25.00	24.23	7.99
14,812	47,152	113,304	113,548.05	244.05	21.70	21.27	6.61
34,433	102,276	270,305	267,528.91	2,776.09	24.20	24.49	7.27
2,646	14,101	39,275	39,213.25	61.75	26.10	25.90	7.66
2,859	5,668	16,958	17,296.40	338.40	25.90	25.23	8.23
6,907	65,574	186,384	183,291.70	3,092.30	24.50	24.78	7.82
7,113	31,733	89,284	88,898.76	385.24	25.90	25.63	7.74
661	5,793	17,200	17,127.37	72.63	27.60	27.05	8.16
12,173	38,832	101,208	100,539.02	668.98	23.60	23.61	7.17
1,451	19,142	57,698	57,123.74	574.26	30.70	30.47	8.29
130,561	1,160,840	2,822,859	2,851,162.28	28,303.28	23.60	23.54	6.69

STATEMENT OF THE ALLOCATION OF THE  
for the Year

MUNICIPALITY	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COMMON DEMAND COSTS (Note 1)	TRANSFORMATION AND METERING (Note 2)		SPECIAL FACILITIES (Note 3)	FREQUENCY STANDARDI- ZATION
	Average of Monthly Peak Loads	Energy		Stage I	Stage II		
	kw	megawatt- hours	\$	\$	\$	\$	\$
Kingsville.....	2,335.0	12,725.5	55,431	5,255	5,405	1,867	7,005
Kirkfield.....	132.0	581.2	3,134	296	347	.....	.....
Kitchener.....	100,144.5	553,869.2	2,377,357	4,475	.....	.....	300,434
Lakefield.....	1,844.1	10,168.8	43,777	4,141	4,845	.....	.....
Lambeth.....	1,434.9	7,268.3	34,064	3,222	3,770	31	4,305
Lanark.....	456.2	2,264.0	10,829	1,024	1,199	.....	.....
Lancaster.....	371.9	1,946.4	8,829	835	977	.....	.....
Larder Lake.....	846.7	4,662.4	20,100	1,901	2,225	555	.....
Latchford.....	204.4	1,043.3	4,853	459	537	.....	.....
Leamington.....	8,438.4	48,663.5	200,322	19,212	6,671	409	25,315
Lindsay.....	13,665.2	80,383.8	324,402	31,295	.....	564	.....
Listowel.....	4,582.3	24,142.0	108,780	10,494	.....	211	13,747
London.....	157,490.0	928,135.9	3,738,694	360,364	.....	.....	472,469
Long Branch.....	8,142.2	44,833.9	193,290	18,514	7,830	1,823	24,427
L'Orignal.....	708.0	3,754.6	16,808	1,590	1,860	.....	.....
Lucan.....	716.5	3,619.6	17,009	1,609	1,883	.....	2,150
Lucknow.....	1,029.7	4,969.6	24,444	2,312	2,706	60	.....
Lynden.....	442.4	2,237.7	10,503	993	1,162	.....	1,327
Madoc.....	1,149.0	6,021.6	27,276	2,580	3,019	.....	.....
Magnetawan.....	130.9	625.4	3,107	294	344	.....	.....
Markdale.....	926.2	4,765.8	21,988	2,080	2,434	.....	.....
Markham.....	5,906.2	31,125.7	140,208	13,283	14,260	2,730	17,719
Marmora.....	885.4	4,788.0	21,019	1,988	2,326	591	.....
Martintown.....	182.2	806.0	4,325	409	479	.....	.....
Massey.....	588.8	3,310.2	13,977	1,322	1,547	.....	.....
Maxville.....	700.9	3,224.1	16,638	1,574	1,842	.....	.....
McGarry Twp.....	777.3	3,894.0	18,453	1,745	2,042	.....	.....
Meaford.....	3,499.0	19,567.2	83,064	7,875	8,116	1,500	.....
Merlin.....	438.5	2,204.1	10,410	985	1,152	.....	1,316
Merrickville.....	649.5	3,249.9	15,419	1,458	1,707	.....	.....
Midland.....	10,646.0	61,307.7	252,729	24,381	.....	771	.....
Mildmay.....	625.8	3,057.9	14,855	1,405	1,644	.....	.....
Millbrook.....	560.6	2,767.8	13,309	1,259	1,473	.....	.....
Milton.....	5,918.1	33,240.8	140,492	13,543	628	457	17,754
Milverton.....	1,150.4	5,092.8	27,310	2,583	3,023	56	3,451
Mimico.....	9,797.9	56,522.5	232,594	22,439	.....	2,263	29,394
Mitchell.....	2,584.9	13,096.7	61,362	5,920	.....	158	7,755
Moorefield.....	398.7	1,724.4	9,465	895	1,048	.....	1,196
Morrisburg.....	1,556.6	8,272.1	36,953	3,495	4,090	923	.....
Mount Brydges.....	490.0	2,548.0	11,631	1,100	1,287	.....	1,470



## COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1966

RETURN ON EQUITY	ENERGY @ 2.75 MILLS PER KWH (Note 4)	COST OF PRIMARY POWER ALLOCATED	AMOUNTS BILLED AT INTERIM RATES	BALANCE (Refunded or Charged)	DEMAND RATES PER KW PER ANNUM (Note 6)		TOTAL COST OF PRIMARY POWER  Mills per Kwh
					Interim	Actual	
\$	\$	\$	\$	\$	\$	\$	
9,981	34,995	99,977	98,505.79	1,471.21	27.90	27.83	7.86
600	1,598	4,775	4,780.10	5.10	24.30	24.07	8.22
304,503	1,523,140	3,900,903	3,848,781.15	52,121.85	23.60	23.74	7.04
5,655	27,964	75,072	74,233.14	838.86	25.90	25.55	7.38
3,474	19,988	61,906	61,714.31	191.69	29.30	29.22	8.52
1,723	6,226	17,555	17,630.05	75.05	25.70	24.84	7.75
1,356	5,353	14,638	14,642.24	4.24	25.20	24.97	7.52
2,263	12,822	35,340	34,490.14	849.86	26.00	26.61	7.58
362	2,869	8,356	8,016.84	339.16	26.70	26.85	8.01
28,418	133,825	357,336	357,558.90	222.90	26.80	26.49	7.34
39,295	221,055	538,021	536,600.77	1,420.23	23.50	23.19	6.69
17,872	66,391	181,751	182,960.64	1,209.64	25.80	25.17	7.53
490,347	2,552,375	6,633,555	6,538,107.05	95,447.95	25.70	25.92	7.15
22,365	123,293	346,812	348,434.25	1,622.25	27.80	27.45	7.74
833	10,325	29,750	29,213.06	536.94	27.40	27.44	7.92
3,341	9,954	29,264	29,201.88	62.12	27.20	26.96	8.08
4,984	13,666	38,204	39,084.20	880.20	25.00	23.84	7.69
1,826	6,154	18,313	17,762.70	550.30	26.60	27.49	8.18
3,853	16,559	45,581	45,523.83	57.17	25.70	25.27	7.57
255	1,720	5,210	5,140.89	69.11	26.60	26.67	8.33
3,047	13,106	36,561	36,707.44	146.44	25.80	25.33	7.67
8,940	85,596	264,856	261,724.96	3,131.04	30.40	30.35	8.51
2,801	13,167	36,290	35,200.70	1,089.30	25.50	26.13	7.58
659	2,217	6,771	6,714.53	56.47	24.90	25.00	8.40
939	9,103	25,010	24,788.22	221.78	27.30	27.03	7.56
2,438	8,866	26,482	27,065.50	583.50	25.90	25.14	8.21
2,308	10,709	30,641	31,009.82	368.82	26.00	25.65	7.87
12,076	53,810	142,289	141,516.34	772.66	25.30	25.30	7.27
2,007	6,061	17,917	17,967.72	50.72	27.10	27.04	8.13
1,209	8,937	26,312	26,306.21	5.79	26.70	26.76	8.10
42,884	168,596	403,593	403,510.32	82.68	22.40	22.07	6.58
1,953	8,409	24,360	24,564.91	204.91	25.70	25.50	7.97
1,538	7,611	22,114	21,905.61	208.39	26.00	25.88	7.99
19,949	91,412	244,337	242,314.55	2,022.45	26.00	25.85	7.35
6,430	14,005	43,998	44,667.06	669.06	26.50	26.08	8.64
36,193	155,437	405,934	405,561.24	372.76	25.80	25.57	7.18
9,632	36,016	101,579	101,354.61	224.39	25.60	25.36	7.76
1,302	4,742	16,044	16,101.98	57.98	28.80	28.35	9.30
4,236	22,748	63,973	62,927.23	1,045.77	26.00	26.49	7.73
1,764	7,007	20,731	20,494.70	236.30	27.90	28.02	8.14

STATEMENT OF THE ALLOCATION OF THE  
for the Year

MUNICIPALITY	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COMMON DEMAND COSTS (Note 1)	TRANSFORMATION AND METERING (Note 2)		SPECIAL FACILITIES (Note 3)	FREQUENCY STANDARDI- ZATION
	Average of Monthly Peak Loads	Energy		Stage I	Stage II		
	kw	megawatt- hours	\$	\$	\$	\$	\$
Mount Forest .....	2,522.3	12,667.0	59,877	5,748	1,687	471	.....
Napanee .....	3,930.4	20,774.5	93,305	8,913	5,134	160	.....
Nepean Twp. ....	35,224.3	201,133.1	836,197	79,226	84,795	9,526	.....
Neustadt .....	504.0	1,895.0	11,963	1,132	1,324	.....	.....
Newboro .....	149.7	750.5	3,554	336	393	.....	.....
Newburgh .....	325.5	1,616.6	7,727	731	855	.....	.....
Newbury .....	153.3	752.0	3,638	344	403	.....	460
Newcastle .....	1,260.7	6,591.6	29,928	2,887	.....	.....	.....
New Hamburg .....	1,906.1	10,198.9	45,250	4,282	4,914	131	5,718
Newmarket .....	8,293.0	47,117.9	196,869	18,779	12,499	3,980	24,879
New Toronto .....	33,100.4	204,182.8	785,779	75,804	.....	7,130	99,301
Niagara .....	1,881.7	10,857.4	44,671	4,309	.....	538	5,645
Niagara Falls .....	40,293.0	243,160.2	956,525	92,276	.....	26,727	120,879
Nipigon Twp. ....	1,946.9	12,645.1	43,567	4,372	5,115	.....	.....
North Bay .....	16,966.0	99,794.6	402,759	38,854	.....	191	.....
North York Twp. ....	295,903.1	1,747,264.2	7,024,517	677,656	.....	.....	887,709
Norwich .....	930.9	5,176.6	22,100	2,090	2,446	345	2,793
Norwood .....	740.6	3,774.4	17,581	1,663	1,946	.....	.....
Oakville .....	85,100.4	591,577.2	2,020,220	194,751	8,184	41,760	255,301
Oil Springs .....	371.9	2,348.5	8,829	835	977	.....	1,116
Omeme .....	538.3	2,664.9	12,778	1,209	1,414	.....	.....
Orangeville .....	4,711.7	25,634.5	111,852	10,702	5,203	731	.....
Orillia .....	8,389.3	41,672.1	199,157	19,213	.....	.....	.....
Orono .....	794.0	4,105.9	18,849	1,783	2,086	.....	.....
Oshawa .....	100,514.4	580,215.9	2,386,138	230,190	.....	.....	.....
Ottawa .....	230,371.4	1,339,791.0	5,468,845	432,375	968	.....	.....
Otterville .....	425.3	2,087.0	10,097	955	1,117	.....	1,276
Owen Sound .....	14,656.2	83,822.5	347,926	33,336	13,478	.....	.....
Paisley .....	562.8	2,832.5	13,361	1,289	.....	.....	.....
Palmerston .....	1,355.6	7,261.1	32,183	3,105	.....	610	4,067
Paris .....	4,919.7	26,394.9	116,790	11,267	.....	1,464	14,759
Parkhill .....	1,076.4	5,288.0	25,554	2,417	2,828	.....	3,229
Parry Sound .....	3,808.6	21,571.9	90,412	8,722	.....	409	.....
Penetanguishene .....	3,287.7	19,615.9	78,046	7,529	.....	631	.....
Perth .....	5,379.8	27,628.9	127,713	12,320	.....	.....	.....
Peterborough .....	51,995.6	313,002.7	1,234,337	119,076	.....	.....	.....
Petrolia .....	2,574.5	12,785.8	61,117	5,797	5,826	.....	7,724
Petrolia Waterworks .....	162.5	887.0	3,857	365	427	.....	488
Pickering .....	1,129.5	6,148.2	26,813	2,536	2,968	.....	.....
Pictou .....	4,455.1	24,385.6	105,761	10,203	.....	190	.....

\*See note 7, page 136.

## COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1966

RETURN ON EQUITY	ENERGY @ 2.75 MILLS PER KWH (Note 4)	COST OF PRIMARY POWER ALLOCATED	AMOUNTS BILLED AT INTERIM RATES	BALANCE (Refunded or Charged)	DEMAND RATES PER KW PER ANNUM (Note 6)		TOTAL COST OF PRIMARY POWER
					Interim	Actual	Mills per Kwh
\$	\$	\$	\$	\$	\$	\$	
8,784	34,834	93,833	94,521.30	688.30	23.90	23.40	7.41
16,269	57,130	148,373	149,756.15	1,383.15	23.70	23.22	7.14
24,041	553,116	1,538,819	1,441,134.72	97,684.28	27.90	25.99	7.30
1,369	5,211	18,261	17,866.90	394.10	25.60	25.90	9.64
267	2,064	6,080	6,001.82	78.18	26.90	26.84	8.10
695	4,446	13,064	13,054.01	9.99	26.80	26.48	8.08
827	2,068	6,086	5,953.68	132.32	26.30	26.23	8.09
2,893	18,127	48,049	47,512.43	536.57	23.80	23.74	7.29
8,655	28,047	79,687	78,670.22	1,016.78	27.10	27.10	7.81
17,033	129,574	369,547	371,116.16	1,569.16	29.60	28.95	7.84
118,602	561,503	1,410,915	1,419,110.71	8,195.71	26.00	25.67	6.91
8,500	29,858	76,521	75,671.23	849.77	24.70	24.80	7.05
149,079	668,691	1,716,019	1,693,663.11	22,355.89	25.80	25.99	7.06
4,718	34,774	83,110	83,120.76	10.76	24.90	24.84	6.57
69,374	274,435	646,865	646,597.45	267.55	22.20	21.95	6.48
392,629	4,804,976	13,002,229	12,820,151.26	182,077.74	27.70	27.70	7.44
5,948	14,236	38,062	37,662.01	399.99	25.40	25.60	7.35
2,546	10,380	29,024	28,725.04	298.96	25.40	25.18	7.69
86,035	1,626,837	4,061,018	4,005,295.19	55,722.81	28.40	28.61	6.86
3,015	6,458	15,200	15,061.84	138.16	23.50	23.51	6.47
1,589	7,328	21,140	20,691.74	448.26	25.80	25.67	7.93
14,025	70,495	184,958	189,675.02	4,717.02	25.70	24.29	7.22
11,425	114,598	321,543	337,383.93	15,840.93	25.10	24.67	7.72
1,559	11,291	32,450	32,114.44	335.56	26.80	26.66	7.90
241,626	1,595,595	3,970,297	3,982,209.77	11,912.77	23.80	23.63	6.84
400,365	3,684,426	9,186,249	9,147,084.62	39,164.38	24.10	23.87	6.86
1,961	5,739	17,223	16,857.45	365.55	27.00	27.01	8.25
59,927	230,512	565,325	559,939.10	5,385.90	23.00	22.85	6.74
2,652	7,789	19,787	20,072.68	285.68	22.00	21.32	6.99
7,734	19,968	52,199	50,582.03	1,616.97	22.80	23.77	7.19
20,641	72,586	196,225	194,301.12	1,923.88	24.80	25.13	7.43
4,590	14,542	43,980	43,790.70	189.30	27.40	27.36	8.32
5,688	59,323	153,178	149,598.96	3,579.04	24.60	24.65	7.10
12,603	53,944	127,547	122,553.19	4,993.81	22.10	22.39	6.50
20,069	75,979	195,943	199,126.44	3,183.44	23.10	22.30	7.09
153,851	860,757	2,060,319	2,050,502.83	9,816.17	23.30	23.07	6.58
15,162	35,161	100,463	101,544.89	1,081.89	26.20	25.37	7.86
.....	2,439	7,576	7,594.95	18.95	31.90	31.62	8.54
1,190	16,908	48,035	47,444.78	590.22	27.40	27.57	7.81
17,983	67,060	165,231	166,237.17	1,006.17	22.50	22.03	6.78



# STATEMENT OF THE ALLOCATION OF THE for the Year

MUNICIPALITY	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COMMON DEMAND COSTS (Note 1)	TRANSFORMATION AND METERING (Note 2)		SPECIAL FACILITIES (Note 3)	FREQUENCY STANDARDI- ZATION
	Average of Monthly Peak Loads	Energy		Stage I	Stage II		
	kw	megawatt- hours	\$	\$	\$	\$	\$
Plantagenet.....	665.6	3,333.0	15,802	1,495	1,749	.....	.....
Plattsville.....	851.6	3,961.8	20,216	1,912	2,238	.....	2,555
Point Edward.....	6,812.4	33,578.8	161,721	15,543	3,444	.....	20,437
Port Arthur.....*	49,674.9	279,556.6	1,111,579	113,762	.....	161	.....
Port Burwell.....	294.4	1,472.0	6,990	661	774	29	883
Port Colborne.....	14,230.8	90,446.4	337,829	32,590	.....	1,618	42,692
Port Credit.....	15,893.0	111,197.9	377,288	36,397	.....	4,154	47,679
Port Dover.....	2,542.9	14,591.0	60,367	5,824	.....	1,674	7,629
Port Elgin.....	2,042.5	11,532.1	48,487	4,586	5,368	49	.....
Port Hope.....	9,134.7	49,338.9	216,850	20,919	.....	2,683	.....
Port McNicoll.....	1,353.1	5,289.6	32,121	3,038	3,555	790	.....
Port Perry.....	2,001.1	10,702.0	47,505	4,493	5,258	.....	.....
Port Rowan.....	350.5	1,840.0	8,321	787	921	.....	1,052
Port Stanley.....	1,151.1	5,662.8	27,327	2,585	3,024	1,917	3,453
Prescott.....	4,298.8	22,634.9	102,050	9,756	5,215	420	.....
Preston.....	12,336.0	66,647.4	292,846	28,251	.....	.....	37,008
Priceville.....	65.2	285.6	1,548	146	171	.....	.....
Princeton.....	316.1	1,654.4	7,504	710	831	.....	948
Queenston.....	403.5	2,196.6	9,578	906	1,060	105	1,211
Rainy River.....	716.2	3,849.7	17,002	1,608	1,882	95	.....
Red Rock.....	941.5	4,682.4	21,068	2,114	2,474	.....	.....
Renfrew.....*	5,795.9	28,162.5	137,590	13,273	.....	.....	.....
Richmond.....	1,020.4	5,745.6	24,225	2,291	2,681	.....	.....
Richmond Hill.....	13,538.7	76,418.9	321,398	31,005	.....	3,521	40,616
Ridgetown.....	2,036.7	10,189.8	48,350	4,584	4,727	3,500	6,110
Ripley.....	425.4	2,107.6	10,098	955	1,118	.....	.....
Rockland.....	1,596.6	8,045.9	37,902	3,585	4,195	.....	.....
Rockwood.....	503.4	2,572.0	11,950	1,130	1,323	.....	1,510
Rodney.....	648.8	3,269.6	15,402	1,457	1,705	.....	1,946
Rosseau.....	144.9	661.8	3,441	325	381	.....	.....
Russell.....	414.8	2,090.9	9,847	931	1,090	.....	.....
St. Catharines.....	113,325.8	679,801.7	2,690,271	259,525	268	340	339,977
St. Clair Beach.....	810.5	4,470.2	19,241	1,820	2,130	.....	2,432
St. George.....	633.4	3,164.0	15,036	1,422	1,664	.....	1,900
St. Jacobs.....	695.4	3,356.8	16,507	1,561	1,827	.....	2,086
St. Mary's.....	14,435.2	101,635.0	342,680	33,058	.....	3,401	43,306
St. Thomas.....	21,088.5	122,228.8	500,625	48,285	587	.....	63,266
Sandwich West Twp.....	3,348.4	18,938.5	79,489	7,598	4,152	2,163	10,045
Sarnia.....	41,244.0	273,534.0	979,100	94,454	.....	.....	123,732
Scarborough Twp.....	195,390.3	1,114,379.6	4,638,420	447,184	4,620	131,854	586,171

\*See note 7, page 136.

## COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1966

RETURN ON EQUITY	ENERGY @ 2.75 MILLS PER KWH (Note 4)	COST OF PRIMARY POWER ALLOCATED	AMOUNTS BILLED AT INTERIM RATES	BALANCE (Refunded or Charged)	DEMAND RATES PER KW PER ANNU M (Note 6)		TOTAL COST OF PRIMARY POWER
					Interim	Actual	Mills per Kwh
\$	\$	\$	\$	\$	\$	\$	
740	9,166	27,472	27,303.98	168.02	27.70	27.51	8.24
2,658	10,895	35,158	34,823.87	334.13	28.60	28.50	8.87
19,534	92,342	273,953	273,153.17	799.83	26.90	26.67	8.16
299,473	768,780	1,694,809	1,693,447.65	1,361.35	19.00	18.64	6.06
1,094	4,048	12,291	12,273.59	17.41	28.20	28.00	8.35
33,866	248,728	629,591	640,457.49	10,866.49	27.00	26.76	6.96
28,641	305,794	742,671	739,945.38	2,725.62	27.60	27.49	6.68
8,749	40,125	106,870	105,549.73	1,320.27	26.00	26.25	7.32
6,288	31,713	83,915	83,037.17	877.83	25.60	25.56	7.28
30,878	135,682	345,256	342,716.60	2,539.40	23.00	22.94	7.00
3,747	14,546	50,303	48,017.65	2,285.35	25.60	26.43	9.51
5,871	29,431	80,816	79,872.93	943.07	25.80	25.69	7.55
1,799	5,060	14,342	14,378.65	36.65	26.70	26.49	7.79
7,704	15,573	46,175	43,946.54	2,228.46	25.20	26.60	8.15
15,037	62,246	164,650	162,879.65	1,770.35	23.80	23.82	7.27
47,643	183,280	493,742	478,722.73	15,019.27	24.60	25.17	7.41
251	785	2,399	2,370.97	28.03	24.80	24.77	8.40
1,864	4,550	12,679	13,085.40	406.40	26.50	25.72	7.66
1,631	6,041	17,270	17,099.72	170.28	27.60	27.84	7.86
999	10,587	30,175	29,423.75	751.25	27.30	27.36	7.84
2,044	12,877	36,489	36,343.89	145.11	25.40	25.09	7.79
10,371	77,447	217,939	217,700.12	238.88	24.60	24.24	7.74
1,782	15,800	43,215	42,209.09	1,005.91	26.70	26.87	7.52
21,223	210,152	585,469	585,438.18	30.82	28.00	27.72	7.66
8,273	28,022	87,020	83,743.55	3,276.45	27.70	28.97	8.54
1,929	5,796	16,038	15,947.17	90.83	24.40	24.09	7.61
2,229	22,126	65,579	64,993.61	585.39	27.20	27.22	8.15
2,248	7,073	20,738	20,315.96	422.04	26.90	27.15	8.06
2,950	8,991	26,551	25,992.36	558.64	26.50	27.07	8.12
821	1,820	5,146	5,258.93	112.93	23.80	22.95	7.78
1,464	5,750	16,154	16,123.00	31.00	25.50	25.09	7.73
316,415	1,869,455	4,843,421	4,853,391.78	9,970.78	26.50	26.24	7.12
2,205	12,293	35,711	34,759.34	951.66	28.50	28.90	7.99
2,727	8,701	25,996	26,048.46	52.46	27.30	27.31	8.22
3,502	9,231	27,710	27,290.25	419.75	26.10	26.58	8.25
32,094	279,496	669,847	658,813.93	11,033.07	26.80	27.05	6.59
89,065	336,129	859,827	855,615.06	4,211.94	25.00	24.84	7.03
6,009	52,081	149,519	146,321.71	3,197.29	29.30	29.11	7.89
289,242	752,219	1,660,263	1,590,742.56	69,520.44	21.50	22.02	6.07
304,679	3,064,544	8,568,114	8,473,260.30	94,853.70	28.10	28.16	7.69

STATEMENT OF THE ALLOCATION OF THE  
for the Year

MUNICIPALITY	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COMMON DEMAND COSTS (Note 1)	TRANSFORMATION AND METERING (Note 2)		SPECIAL FACILITIES (Note 3)	FREQUENCY STANDARDI- ZATION
	Average of Monthly Peak Loads	Energy		Stage I	Stage II		
	kw	megawatt- hours	\$	\$	\$	\$	\$
Schreiber Twp.....	1,526.7	8,892.0	34,163	3,428	4,011	189	.....
Seaforth.....	2,011.2	9,749.3	47,743	4,606	.....	474	6,034
Shelburne.....	1,097.4	5,906.4	26,051	2,464	2,883	.....	.....
Simcoe.....	10,536.3	62,536.8	250,123	24,123	424	5,173	31,609
Sioux Lookout.....	2,012.9	12,170.4	47,785	4,520	5,289	349	.....
Smith's Falls.....	9,664.4	51,204.8	229,424	22,133	.....	230	.....
Smithville.....	700.6	3,363.2	16,632	1,583	1,282	244	2,102
Southampton.....	1,531.1	8,917.0	36,347	3,438	4,023	547	.....
South River.....	478.3	2,668.5	11,354	1,076	1,152	.....	.....
Springfield.....	242.0	1,241.6	5,745	543	636	37	726
Stayner.....	1,334.2	7,245.6	31,673	2,996	3,506	.....	.....
Stirling.....	1,142.7	5,882.5	27,125	2,617	.....	.....	.....
Stoney Creek.....	4,449.9	23,953.2	105,636	9,995	11,498	433	13,350
Stouffville.....	2,770.9	14,043.3	65,780	6,346	.....	20	8,313
Stratford.....	24,891.2	137,141.4	590,898	56,993	654	.....	74,674
Strathroy.....	5,317.3	29,686.0	126,230	12,178	.....	3,046	15,952
Streetsville.....	4,074.6	22,916.7	96,727	9,331	.....	613	12,224
Sturgeon Falls.....	3,567.1	18,776.7	84,680	8,169	.....	263	.....
Sudbury.....	49,723.9	294,097.2	1,180,408	113,874	.....	18,629	.....
Sunderland.....	521.6	2,595.8	12,384	1,171	1,370	.....	.....
Sundridge.....	606.5	3,320.4	14,398	1,362	1,594	.....	.....
Sutton.....	1,435.8	7,986.8	34,085	3,224	3,773	.....	4,307
Swansea.....	6,724.3	41,798.2	159,630	15,399	.....	1,131	20,173
Tara.....	671.6	3,654.4	15,943	1,508	1,765	.....	.....
Tavistock.....	1,096.0	5,688.0	26,019	2,461	2,880	529	3,288
Tecumseh.....	2,350.7	13,020.6	55,803	5,306	4,534	856	7,052
Teeswater.....	1,065.6	4,954.0	25,297	2,393	2,800	.....	.....
Terrace Bay Twp.....	1,516.0	9,608.0	33,924	3,472	.....	263	.....
Thamesford.....	1,061.3	6,206.4	25,195	2,383	2,789	.....	3,184
Thamesville.....	974.6	4,160.8	23,137	2,188	2,561	.....	2,924
Thedford.....	556.6	2,848.8	13,213	1,250	1,462	.....	1,670
Thessalon.....	978.0	5,540.5	23,218	2,240	.....	.....	.....
Thornbury.....	1,299.9	6,387.2	30,858	2,919	3,415	.....	.....
Thorndale.....	244.2	1,213.2	5,797	548	642	14	733
Thornton.....	157.1	699.2	3,729	353	413	.....	.....
Thorold.....	11,452.7	71,560.7	271,879	26,215	.....	325	34,358
Tilbury.....	2,360.2	10,822.7	56,030	5,405	.....	2,089	7,081
Tillsonburg.....	7,083.5	37,256.5	168,157	16,223	.....	.....	21,251
Toronto.....	704,736.3	4,384,453.3	16,729,918	1,345,685	.....	.....	2,114,208
Toronto Twp.....	105,528.1	676,476.8	2,505,159	241,464	12,256	58,041	316,584



## COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1966

RETURN ON EQUITY	ENERGY @ 2.75 MILLS PER KWH (Note 4)	COST OF PRIMARY POWER ALLOCATED	AMOUNTS BILLED AT INTERIM RATES	BALANCE (Refunded or Charged)	DEMAND RATES PER KW PER ANNUM (Note 6)		TOTAL COST OF PRIMARY POWER
					Interim	Actual	Mills per Kwh
\$	\$	\$	\$	\$	\$	\$	
3,096	24,453	63,148	62,782.36	365.64	25.50	25.35	7.10
9,613	26,810	76,054	75,203.87	850.13	24.10	24.49	7.80
4,727	16,243	42,914	42,703.41	210.59	24.60	24.31	7.27
32,649	171,976	450,779	450,519.80	259.20	26.40	26.46	7.21
7,165	33,469	84,247	84,129.63	117.37	25.30	25.23	6.92
31,754	140,813	360,846	361,146.49	300.49	22.90	22.76	7.05
2,191	9,249	28,901	28,241.91	659.09	27.70	28.05	8.59
5,868	24,522	63,009	62,620.45	388.55	25.30	25.15	7.07
351	7,338	20,569	20,295.80	273.20	28.10	27.67	7.71
1,540	3,414	9,561	9,747.80	186.80	26.00	25.41	7.70
4,437	19,925	53,663	53,251.46	411.54	25.30	25.29	7.41
3,635	16,177	42,284	42,722.98	438.98	23.40	22.85	7.19
8,079	65,871	198,704	199,946.28	1,242.28	30.00	29.85	8.30
7,214	38,619	111,864	110,694.97	1,169.03	26.60	26.44	7.97
98,215	377,139	1,002,143	982,418.30	19,724.70	24.70	25.11	7.31
18,425	81,637	220,618	220,055.01	562.99	26.20	26.13	7.43
7,517	63,021	174,399	174,047.86	351.14	27.70	27.34	7.61
5,198	51,636	139,550	138,708.43	841.57	24.90	24.64	7.43
120,331	808,767	2,001,347	1,996,275.79	5,071.21	24.30	23.98	6.81
1,932	7,138	20,131	20,215.72	84.72	25.10	24.92	7.76
967	9,131	25,518	25,067.66	450.34	27.10	27.03	7.69
5,418	21,964	61,935	61,200.83	734.17	28.00	27.85	7.75
28,365	114,945	282,913	289,259.09	6,346.09	25.90	24.98	6.77
2,082	10,050	27,184	26,229.49	954.51	25.40	25.52	7.44
7,465	15,642	43,354	41,850.77	1,503.23	24.30	25.29	7.62
7,136	35,807	102,222	100,540.16	1,681.84	28.10	28.25	7.85
3,351	13,624	40,763	40,154.33	608.67	25.60	25.48	8.23
3,916	26,422	60,165	60,098.95	66.05	22.50	22.26	6.26
3,622	17,068	46,997	46,501.18	495.82	28.60	28.21	7.57
3,946	11,442	38,306	38,282.71	23.29	27.40	27.57	9.21
2,407	7,834	23,022	22,773.19	248.81	27.20	27.30	8.08
1,185	15,237	39,510	39,237.44	272.56	25.10	24.81	7.13
2,178	17,565	52,579	52,744.94	165.94	27.20	26.94	8.23
1,429	3,336	9,641	9,773.35	132.35	26.70	25.83	7.95
700	1,923	5,718	5,831.74	113.74	24.90	24.16	8.18
42,266	196,792	487,303	532,005.86	44,702.86	26.40	25.37	6.81
10,784	29,762	89,583	85,747.78	3,835.22	24.20	25.35	8.28
20,982	102,455	287,104	288,889.17	1,785.17	26.40	26.07	7.71
3,594,877	12,057,246	28,652,180	28,602,824.20	49,355.80	23.70	23.54	6.53
143,738	1,860,311	4,850,077	4,737,261.98	112,815.02	27.90	28.34	7.17

# STATEMENT OF THE ALLOCATION OF THE for the Year

MUNICIPALITY	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COMMON DEMAND COSTS (Note 1)	TRANSFORMATION AND METERING (Note 2)		SPECIAL FACILITIES (Note 3)	FREQUENCY STANDARDI- ZATION
	Average of Monthly Peak Loads	Energy		Stage I	Stage II		
	kw	megawatt- hours	\$	\$	\$	\$	\$
Tottenham.....	447.6	2,378.4	10,625	1,005	1,176	.....	.....
Trenton.....	16,990.4	104,117.5	403,340	38,910	.....	.....	.....
Tweed.....	1,596.7	7,778.4	37,904	3,585	4,195	228	.....
Uxbridge.....	2,877.5	14,061.9	68,310	6,590	.....	.....	.....
Vankleek Hill.....	930.3	4,607.7	22,085	2,089	2,444	.....	.....
Victoria Harbour.....	584.6	3,100.8	13,877	1,313	1,536	326	.....
Walkerton.....	4,611.4	22,553.6	109,470	10,561	.....	2,483	.....
Wallaceburg.....	14,987.1	82,358.9	355,782	34,323	.....	2,143	44,961
Wardsville.....	193.1	954.4	4,583	434	507	81	579
Warkworth.....	320.8	1,546.8	7,617	720	843	.....	.....
Wasaga Beach.....	948.6	3,946.2	22,521	2,130	2,492	.....	.....
Waterdown.....	1,315.9	7,217.4	31,238	2,955	3,457	.....	3,948
Waterford.....	1,681.3	7,845.7	39,912	3,791	3,476	93	5,044
Waterloo.....	29,734.4	177,310.6	705,874	2,225	1,070	.....	89,203
Watford.....	1,699.0	8,821.9	40,332	3,852	2,306	39	5,097
Waubausheene.....	388.2	2,051.2	9,216	872	1,020	.....	.....
Webbwood.....	197.6	992.1	4,691	444	519	.....	.....
Welland.....	33,522.4	183,703.8	795,796	76,769	.....	.....	100,567
Wellesley.....	507.4	2,185.5	12,045	1,139	1,333	.....	1,522
Wellington.....	666.0	3,358.0	15,811	1,495	1,750	.....	.....
West Ferris Twp.....	5,364.9	30,729.9	127,359	12,287	.....	993	.....
West Lorne.....	1,333.5	6,175.2	31,656	2,994	3,504	.....	4,001
Weston.....	11,830.4	67,661.4	280,844	27,093	.....	944	35,491
Westport.....	473.8	2,493.6	11,248	1,064	1,245	.....	.....
Wheatley.....	918.2	4,707.7	21,799	2,062	2,413	.....	2,755
Whitby.....	15,578.6	90,847.0	369,824	35,677	.....	5,416	.....
Warton.....	1,520.8	8,724.0	36,103	3,415	3,996	.....	.....
Widdifield Twp.....	9,708.6	54,713.8	230,476	22,234	.....	2,163	.....
Williamsburg.....	290.5	1,337.0	6,895	652	763	.....	.....
Winchester.....	1,635.2	9,285.2	38,817	3,687	3,402	152	.....
Windermere.....	200.9	929.4	4,770	451	528	.....	.....
Windsor.....	148,537.2	874,086.6	3,526,164	339,637	30,443	45,695	445,611
Wingham.....	3,199.8	17,504.4	75,962	7,328	.....	159	.....
Woodbridge.....	2,203.6	13,020.7	52,312	4,962	4,944	.....	6,611
Woodstock.....	25,971.2	147,597.1	616,537	59,477	.....	.....	77,914
Woodville.....	265.2	1,337.0	6,296	595	697	.....	.....
Wyoming.....	595.0	2,906.5	14,125	1,336	1,563	75	1,785
York Twp.....	71,978.3	453,684.2	1,708,712	164,839	.....	.....	215,935
Zurich.....	537.4	2,564.9	12,759	1,207	1,412	.....	1,612
Total Municipalities.....	4,779,910.0	28,608,782.0	113,340,546	10,216,075	910,152	680,300	10,808,834

## COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1966

RETURN ON EQUITY	ENERGY @ 2.75 MILLS PER KWH (Note 4)	COST OF PRIMARY POWER ALLOCATED	AMOUNTS BILLED AT INTERIM RATES	BALANCE (Refunded or Charged)	DEMAND RATES PER KW PER ANNUM (Note 6)		TOTAL COST OF PRIMARY POWER  Mills per Kwh
					Interim	Actual	
\$	\$	\$	\$	\$	\$	\$	
2,321	6,541	17,026	17,169.20	143.20	24.00	23.43	7.16
50,404	286,323	678,169	679,501.73	1,332.73	23.20	23.06	6.51
4,613	21,391	62,690	62,859.65	169.65	26.20	25.87	8.06
6,980	38,670	106,590	106,845.19	255.19	24.10	23.60	7.58
1,258	12,671	38,031	37,631.52	399.48	27.60	27.27	8.25
1,613	8,527	23,966	23,136.49	829.51	26.20	26.42	7.73
11,070	62,022	173,466	169,425.98	4,040.02	24.00	24.17	7.69
49,788	226,487	613,908	599,390.08	14,517.92	25.80	25.85	7.45
972	2,625	7,837	7,624.97	212.03	26.60	27.01	8.21
1,283	4,254	12,151	12,293.51	142.51	25.30	24.62	7.86
1,583	10,852	36,412	37,166.49	754.49	28.10	26.95	9.23
4,502	19,848	56,944	55,705.49	1,238.51	27.80	28.20	7.89
6,222	21,576	67,670	68,176.14	506.14	28.20	27.43	8.63
69,097	487,604	1,216,879	1,196,559.99	20,319.01	24.30	24.53	6.86
6,200	24,260	69,686	69,409.32	276.68	26.90	26.74	7.90
1,416	5,641	15,333	15,167.48	165.52	25.60	24.97	7.48
299	2,728	8,083	8,074.66	8.34	27.50	27.11	8.15
93,618	505,185	1,384,699	1,379,418.66	5,280.34	26.40	26.24	7.54
2,447	6,010	19,602	19,241.55	360.45	26.90	26.80	8.97
3,218	9,235	25,073	25,171.13	98.13	24.10	23.79	7.47
7,719	84,507	217,427	217,181.17	245.83	25.30	24.78	7.08
5,673	16,982	53,464	53,647.98	183.98	27.70	27.37	8.66
49,181	186,069	481,260	476,009.40	5,250.60	24.80	24.95	7.11
1,809	6,857	18,605	18,942.11	337.11	25.70	24.80	7.46
4,225	12,946	37,750	37,172.31	577.69	27.30	27.02	8.02
30,495	249,829	630,251	627,394.19	2,856.81	24.60	24.42	6.94
5,929	23,991	61,576	61,638.15	62.15	25.10	24.72	7.06
7,269	150,463	398,067	402,943.77	4,876.77	25.80	25.50	7.28
1,370	3,677	10,617	10,697.99	80.99	24.40	23.90	7.94
5,455	25,534	66,137	65,908.88	228.12	25.40	24.84	7.12
773	2,556	7,532	7,538.15	6.15	25.40	24.77	8.10
623,357	2,403,738	6,167,931	6,003,593.80	164,337.20	24.70	25.34	7.06
11,372	48,137	120,214	120,976.16	762.16	23.00	22.53	6.87
9,462	35,807	95,174	93,557.86	1,616.14	26.30	26.95	7.31
91,206	405,892	1,068,614	1,053,506.15	15,107.85	25.40	25.52	7.24
1,328	3,677	9,937	9,864.31	72.69	24.20	23.61	7.43
2,011	7,993	24,866	23,829.00	1,037.00	28.50	28.37	8.56
242,836	1,247,632	3,094,282	3,062,995.31	31,286.69	25.60	25.66	6.82
2,526	7,053	21,517	21,618.34	101.34	27.20	26.92	8.39
14,431,142	78,674,151	200,198,916	198,337,179.16	1,861,736.84	.....	.....	.....

See notes on following page.



## NOTES

1. Certain functions in the production and supply of power are considered to be used by all customers in relation to kilowatt demand requirements. Therefore the associated costs are allocated at a common rate to all customers.
2. Stage I transformation and metering costs are those associated with transformation at high-voltage stations from 115 kv to 44 kv, 27.6 kv, 13.8 kv or similar voltages. These costs are allocated on a kilowatt basis to all customers requiring the service. Stage II transformation and metering costs are those associated with transformation at low-voltage stations from 44 kv, 27.6 kv, 13.8 kv or similar voltages to the voltage at which delivery is made to the customer. These costs are allocated on a kilowatt basis to all customers requiring the service.
3. Special facilities costs are those costs associated with line facilities within a municipality's boundaries that serve only that municipality.
4. The portion of the cost of power attributable to producing energy, rather than meeting demand requirements, has been classified as energy cost. For allocation purposes, this cost has been established at 2.75 mills per kilowatt-hour.
5. With reference to the 1966 allocation of cost see also notes 8 and 9 on page 35.
6. The demand rate is the per kilowatt cost of primary power excluding the amount allocated for energy at 2.75 mills per kilowatt-hour.
7. The asterisk indicates that this particular utility operates its own generating facilities for the supply of part of its power requirement. The figures shown in this statement relate only to the power and energy supplied by The Hydro-Electric Power Commission of Ontario. For more complete details on the cost of providing service within any municipal electrical utility, the reader is referred to the statements in the Municipal Electrical Service Supplement beginning on page 155.

**STATEMENT OF EQUITIES ACCUMULATED THROUGH  
DEBT RETIREMENT CHARGES**

**for the Year Ended December 31, 1966**

Municipality	Balance at December 31, 1965	Distribution of Unallocated Equities	Additions in the Year through Debt Retirement Charges	Equities Transferred through Annexation	Balance at December 31, 1966
	\$	\$	\$	\$	\$
Acton.....	550,910.69	5,807.48	27,329.00	.....	584,047.17
Ailsa Craig.....	60,401.67	689.48	2,336.00	.....	63,427.15
Ajax.....	281,531.84	2,286.62	49,747.00	.....	333,565.46
Alexandria.....	225,003.71	2,141.53	17,451.00	.....	244,596.24
Alfred.....	24,474.99	186.08	4,534.00	.....	29,195.07
Alliston.....	230,376.16	2,194.26	17,628.00	.....	250,198.42
Almonte.....	118,898.83	1,162.80	12,575.00	.....	132,636.63
Alvinston.....	64,580.88	661.45	1,562.00	.....	66,804.33
Amherstburg.....	443,049.13	4,602.68	21,747.00	.....	469,398.81
Ancaster Twp.....	205,756.33	2,095.44	14,260.00	.....	222,111.77
Apple Hill.....	17,591.14	174.00	681.00	.....	18,446.14
Arkona.....	47,169.36	452.13	1,603.00	.....	49,224.49
Arnprior.....	375,543.56	4,093.15	32,186.00	.....	411,822.71
Arthur.....	106,405.62	1,188.79	5,128.00	.....	112,722.41
Athens.....	54,453.51	507.44	3,013.00	.....	57,973.95
Atikokan Twp.....	195,981.87	71,116.66	21,343.00	.....	288,441.53
Aurora.....	370,817.79	3,689.46	38,173.00	.....	412,680.25
Avonmore.....	9,720.01	79.47	989.00	.....	10,788.48
Aylmer.....	427,846.39	4,477.60	24,923.00	.....	457,246.99
Ayr.....	97,315.22	1,019.88	4,849.00	.....	103,184.10
Baden.....	140,624.63	1,534.96	5,105.00	.....	147,264.59
Bancroft.....	81,037.64	773.44	7,701.00	.....	89,512.08
Barrie.....	1,598,600.13	15,786.67	134,238.00	.....	1,748,624.80
Barry's Bay.....	28,265.59	268.08	3,411.00	.....	31,944.67
Bath.....	31,181.52	301.91	2,264.00	.....	33,747.43
Beachburg.....	19,272.26	23.64	2,136.00	.....	21,431.90
Beachville.....	264,985.73	2,921.77	13,097.00	.....	281,004.50
Beamsville.....	156,573.19	1,550.54	11,002.00	185.97	169,311.70
Beaverton.....	132,482.67	1,406.94	7,984.00	.....	141,873.61
Beeton.....	79,211.94	771.32	3,364.00	.....	83,347.26
Belle River.....	94,048.29	959.20	5,461.00	.....	100,468.49
Belleville.....	2,141,740.55	20,999.90	143,985.00	.....	2,306,725.45
Belmont.....	23,386.41	.....	6,023.00	.....	29,409.41
Blenheim.....	223,543.41	2,382.41	10,789.00	.....	236,714.82
Bloomfield.....	56,539.87	559.86	2,756.00	.....	59,855.73
Blyth.....	84,953.73	841.77	4,226.00	.....	90,021.50
Bobcaygeon.....	58,436.09	591.30	5,926.00	.....	64,953.39
Bolton.....	116,720.22	1,217.97	8,490.00	.....	126,428.19
Bothwell.....	69,624.39	810.22	2,902.00	.....	73,336.61
Bowmanville.....	751,811.54	7,622.19	50,767.00	.....	810,200.73
Bracebridge.....	9,858.52	44.55	5,213.00	.....	15,116.07
Bradford.....	177,696.61	1,766.17	11,970.00	.....	191,432.78
Braeside.....	68,526.02	559.23	10,217.00	.....	79,302.25
Brampton.....	1,374,857.59	12,626.38	161,260.00	.....	1,548,743.97
Brantford.....	6,177,523.91	65,970.02	309,928.00	.....	6,553,421.93

**STATEMENT OF EQUITIES ACCUMULATED THROUGH  
DEBT RETIREMENT CHARGES**

**for the Year Ended December 31, 1966**

Municipality	Balance at December 31, 1965	Distribution of Unallocated Equities	Additions in the Year through Debt Retirement Charges	Equities Transferred through Annexation	Balance at December 31, 1966
	\$	\$	\$	\$	\$
Brantford Twp.....	435,015.16	4,201.73	47,981.00		487,197.89
Brechin.....	24,609.76	274.30	874.00		25,758.06
Bridgeport.....	85,826.18	837.91	7,012.00		93,676.09
Brigden.....	50,067.60	538.26	1,547.00		52,152.86
Brighton.....	155,441.57	1,560.54	10,795.00		167,797.11
Brockville.....	1,641,112.17	17,549.86	108,006.00	2,150.64	1,768,818.67
Brussels.....	94,884.84	954.88	3,747.00		99,586.72
Burford.....	97,554.42	1,052.50	4,820.00		103,426.92
Burgessville.....	29,449.02	317.78	1,322.00		31,088.80
Burk's Falls.....	43,109.61	392.92	4,447.00		47,949.53
Burlington.....	1,700,145.51	14,691.70	259,387.00		1,974,224.21
Cache Bay.....	12,442.79	17,736.53	980.00		31,159.32
Caledonia.....	142,764.31	1,474.16	7,036.00		151,274.47
Campbellford.....	27,406.91	118.71	9,335.00		36,860.62
Campbellville.....	22,000.21	220.10	941.00		23,161.31
Cannington.....	88,804.88	973.10	4,284.00		94,061.98
Capreol.....	52,302.48	80,974.93	11,661.00		144,938.41
Cardinal.....	100,259.29	1,079.14	5,059.00		106,397.43
Carleton Place.....	536,514.87	5,400.35	19,157.00		561,072.22
Casselman.....	42,552.99	387.11	4,832.00		47,772.10
Cayuga.....	68,205.59	658.40	3,295.00		72,158.99
Chalk River.....	27,393.55	264.33	3,038.00		30,695.88
Chapleau Twp.....	1,827.00	28,773.81	7,667.00		38,267.81
Chatham.....	2,590,006.00	27,538.57	156,446.00	165.74	2,774,156.31
Chatsworth.....	36,068.57	402.61	1,582.00		38,053.18
Chesley.....	205,742.53	2,260.61	7,532.00		215,535.14
Chesterville.....	162,980.61	1,743.15	8,865.00		173,588.76
Chippawa.....	131,161.43	1,295.96	8,959.00		141,416.39
Clifford.....	54,827.51	551.48	2,217.00		57,595.99
Clinton.....	298,109.44	3,192.38	14,100.00		315,401.82
Cobden.....	53,078.08	560.30	3,921.00		57,559.38
Cobourg.....	886,940.43	9,109.96	71,369.00		967,419.39
Cochrane.....	66,419.59	51,303.72	20,016.00		137,739.31
Colborne.....	89,598.06	921.24	6,255.00		96,774.30
Coldwater.....	75,772.88	746.44	3,685.00		80,204.32
Collingwood.....	815,454.88	8,927.34	41,675.00		866,057.22
Comber.....	69,208.13	768.01	1,980.00		71,956.14
Coniston.....	24,867.74	10,864.59	6,644.00		42,376.33
Cookstown.....	43,524.74	438.54	2,511.00		46,474.28
Cottam.....	36,966.38	358.02	1,561.00		38,885.40
Courtright.....	31,364.34	307.49	1,306.00		32,977.83
Creemore.....	68,555.14	720.90	3,417.00		72,693.04
Dashwood.....	48,334.72	521.48	2,086.00		50,942.20
Deep River.....	134,133.69	927.77	23,378.00		158,439.46
Delaware.....	29,109.70	318.04	1,428.00		30,855.74



**STATEMENT OF EQUITIES ACCUMULATED THROUGH  
DEBT RETIREMENT CHARGES**

**for the Year Ended December 31, 1966**

Municipality	Balance at December 31, 1965	Distribution of Unallocated Equities	Additions in the Year through Debt Retirement Charges	Equities Transferred through Annexation	Balance at December 31, 1966
	\$	\$	\$	\$	\$
Delhi.....	209,930.25	2,215.70	15,269.00	.....	227,414.95
Deseronto.....	108,985.31	1,114.43	6,492.00	.....	116,591.74
Dorchester.....	51,437.30	519.85	2,872.00	.....	54,829.15
Drayton.....	67,248.85	676.14	2,582.00	.....	70,506.99
Dresden.....	202,757.43	2,076.16	10,336.00	.....	215,169.59
Drumbo.....	39,462.02	420.74	1,418.00	.....	41,300.76
Dryden.....	176,932.80	10,671.03	23,425.00	2,073.86	213,102.69
Dublin.....	32,915.68	325.72	1,643.00	.....	34,884.40
Dundalk.....	85,443.23	894.91	4,876.00	.....	91,214.14
Dundas.....	909,471.37	9,667.06	62,356.00	.....	981,494.43
Dunnville.....	488,297.19	5,095.04	22,297.00	.....	515,689.23
Durham.....	195,574.91	2,049.49	11,448.00	.....	209,072.40
Dutton.....	89,083.34	950.64	2,434.00	.....	92,467.98
East York Twp.....	3,725,984.14	38,610.80	220,510.00	.....	3,985,104.94
Eganville.....	30,223.31	266.75	4,073.00	.....	34,563.06
Elmira.....	496,319.47	5,210.57	30,981.00	.....	532,511.04
Elmvale.....	82,255.69	873.98	4,470.00	.....	87,599.67
Elmwood.....	30,196.50	312.40	1,163.00	.....	31,671.90
Elora.....	168,255.31	1,865.34	5,383.00	.....	175,503.65
Embro.....	59,020.16	640.37	2,504.00	.....	62,164.53
Embrun.....	781.00	.....	4,960.00	23,255.71	28,996.71
Erieau.....	61,002.53	613.15	2,672.00	.....	64,287.68
Erie Beach.....	10,740.06	100.58	478.00	.....	11,318.64
Erin.....	38,641.63	386.88	4,451.00	.....	43,479.51
Espanola.....	57,372.61	139.83	16,577.00	547.21	74,636.65
Essex.....	231,673.35	2,394.78	11,898.00	.....	245,966.13
Etobicoke Twp.....	7,862,786.56	73,013.33	1,009,052.00	.....	8,944,851.89
Exeter.....	301,547.71	3,250.08	14,209.00	.....	319,006.79
Fergus.....	480,327.64	5,023.62	27,407.00	175.81	512,934.07
Finch.....	37,894.12	367.71	1,724.00	.....	39,985.83
Flesherton.....	43,037.80	444.94	2,492.00	.....	45,974.74
Fonthill.....	108,418.47	1,090.13	7,871.00	.....	117,379.60
Forest.....	231,087.77	2,395.58	8,895.00	.....	242,378.35
Forest Hill.....	1,742,211.22	17,665.26	96,280.00	.....	1,856,156.48
Fort William.....	6,821,075.44	74,650.96	214,485.00	.....	7,110,211.40
Frankford.....	48,513.75	485.63	5,780.00	.....	54,779.38
Galt.....	3,285,747.10	35,276.27	178,192.00	111.00	3,499,326.37
Georgetown.....	803,076.17	8,155.94	52,377.00	.....	863,609.11
Glencoe.....	108,705.18	1,067.82	4,270.00	.....	114,043.00
Gloucester Twp.....	30,855.00	.....	89,021.00	409,992.01	529,868.01
Goderich.....	770,913.58	8,071.66	40,491.00	.....	819,476.24
Grand Bend.....	77,943.62	801.10	4,787.00	.....	83,531.72
Grand Valley.....	75,692.09	838.94	3,319.00	.....	79,850.03
Granton.....	29,614.83	333.26	866.00	.....	30,814.09
Gravenhurst.....	314,574.15	3,424.94	14,792.00	.....	332,791.09

**STATEMENT OF EQUITIES ACCUMULATED THROUGH  
DEBT RETIREMENT CHARGES**

**for the Year Ended December 31, 1966**

Municipality	Balance at December 31, 1965	Distribution of Unallocated Equities	Additions in the Year through Debt Retirement Charges	Equities Transferred through Annexation	Balance at December 31, 1966
	\$	\$	\$	\$	\$
Grimsby .....	243,278.27	2,563.07	20,666.00	.....	266,507.34
Guelph .....	4,066,832.66	42,671.99	281,891.00	95,652.65	4,487,048.30
Hagersville .....	339,742.45	3,751.95	9,592.00	.....	353,086.40
Hamilton .....	41,109,633.67	411,271.63	2,663,483.00	.....	44,184,388.30
Hanover .....	499,371.86	5,710.37	33,539.00	.....	538,621.23
Harriston .....	199,166.51	2,194.03	8,834.00	.....	210,194.54
Harrow .....	205,827.24	2,110.97	9,265.00	.....	217,203.21
Hastings .....	50,769.88	504.75	3,507.00	.....	54,781.63
Havelock .....	83,997.45	772.22	3,613.00	.....	88,382.67
Hawkesbury .....	159,455.07	1,321.27	28,873.00	324.64	189,973.98
Hearst .....	39,101.64	67,247.76	14,026.00	.....	120,375.40
Hensall .....	111,218.81	1,169.88	5,342.00	.....	117,730.69
Hespeler .....	807,540.93	8,538.59	39,007.00	.....	855,086.52
Highgate .....	42,371.64	467.25	981.00	.....	43,819.89
Holstein .....	16,037.33	169.45	703.00	.....	16,909.78
Huntsville .....	406,851.69	4,594.20	16,463.00	.....	427,908.89
Ingersoll .....	946,272.48	10,200.39	36,318.00	.....	992,790.87
Iroquois .....	72,679.60	811.48	5,146.00	.....	78,637.08
Jarvis .....	77,582.43	756.14	2,369.00	1,132.69	81,840.26
Kapuskasing .....	98,768.37	78,738.26	25,802.00	.....	203,308.63
Kemptville .....	195,655.22	1,924.07	11,888.00	.....	209,467.29
Killaloe Station .....	18,187.68	161.87	2,232.00	.....	20,581.55
Kincardine .....	334,822.31	3,319.64	13,982.00	.....	352,123.95
King City .....	40,291.73	.....	6,698.00	.....	46,989.73
Kingston .....	3,589,071.66	37,630.27	373,627.00	.....	4,000,328.93
Kingsville .....	274,507.82	2,753.79	12,358.00	.....	289,619.61
Kirkfield .....	16,504.25	170.64	699.00	.....	17,373.89
Kitchener .....	8,368,291.01	87,123.73	530,021.00	3,181.28	8,988,617.02
Lakefield .....	155,511.04	1,565.75	9,760.00	.....	166,836.79
Lambeth .....	95,532.06	968.54	7,594.00	.....	104,094.60
Lanark .....	47,411.16	458.77	2,414.00	.....	50,283.93
Lancaster .....	37,297.01	356.49	1,968.00	.....	39,621.50
Larder Lake Twp. ....	26,068.75	32,075.97	4,481.00	.....	62,625.72
Latchford .....	5,109.40	4,170.15	1,082.00	30.98	10,392.53
Leamington .....	781,523.45	7,854.83	44,661.00	.....	834,039.28
Lindsay .....	1,080,832.54	10,685.13	72,324.00	.....	1,163,841.67
Listowel .....	491,311.44	5,124.52	24,252.00	.....	520,687.96
London .....	13,483,944.02	136,820.90	833,527.00	.....	14,454,291.92
Long Branch .....	614,762.51	6,486.73	43,093.00	.....	664,342.24
L'Orignal .....	22,930.10	198.45	3,747.00	.....	26,875.55
Lucan .....	91,768.59	1,032.13	3,792.00	.....	96,592.72
Lucknow .....	137,125.48	1,312.28	5,450.00	.....	143,887.76
Lynden .....	50,089.36	583.34	2,341.00	42.33	53,056.03
Madoc .....	105,940.90	1,078.20	6,081.00	.....	113,100.10
Magnetawan .....	7,011.12	70.47	693.00	.....	7,774.59

**STATEMENT OF EQUITIES ACCUMULATED THROUGH  
DEBT RETIREMENT CHARGES  
for the Year Ended December 31, 1966**

Municipality	Balance at December 31, 1965	Distribution of Unallocated Equities	Additions in the Year through Debt Retirement Charges	Equities Transferred through Annexation	Balance at December 31, 1966
	\$	\$	\$	\$	\$
Markdale.....	83,767.55	875.86	4,902.00	.....	89,545.41
Markham.....	246,053.84	2,285.41	31,259.00	.....	279,598.25
Marmora.....	77,036.75	778.00	4,686.00	.....	82,500.75
Martintown.....	18,111.53	185.62	964.00	.....	19,261.15
Massey.....	13,622.54	10,506.20	3,116.00	.....	27,244.74
Maxville.....	67,082.05	647.25	3,710.00	.....	71,439.30
McGarry Twp.....	24,045.95	35,267.97	4,114.00	.....	63,427.92
Meaford.....	332,109.03	3,328.54	18,519.00	.....	353,956.57
Merlin.....	55,204.75	557.12	2,321.00	.....	58,082.87
Merrickville.....	33,237.74	349.86	3,438.00	.....	37,025.60
Midland.....	1,179,035.78	12,175.92	56,345.00	.....	1,247,556.70
Mildmay.....	53,669.55	567.29	3,312.00	.....	57,548.84
Millbrook.....	42,261.07	456.98	2,967.00	.....	45,685.05
Milton.....	547,106.68	6,208.59	31,322.00	870.73	585,508.00
Milverton.....	176,584.75	2,033.99	6,089.00	.....	184,707.74
Mimico.....	995,067.72	10,299.43	51,856.00	.....	1,057,223.15
Mitchell.....	264,721.34	2,838.33	13,680.00	.....	281,239.67
Moorefield.....	35,826.65	352.23	2,110.00	.....	38,288.88
Morrisburg.....	116,378.37	1,297.55	8,238.00	.....	125,913.92
Mount Brydges.....	48,497.16	493.82	2,593.00	.....	51,583.98
Mount Forest.....	241,461.63	2,529.34	13,349.00	.....	257,339.97
Napanee.....	447,394.27	4,532.98	20,802.00	.....	472,729.25
Nepean Twp.....	667,301.91	.....	186,427.00	78,010.77	775,718.14
Neustadt.....	37,651.31	382.02	2,667.00	.....	40,700.33
Newboro.....	7,339.48	77.87	792.00	.....	8,209.35
Newburg.....	19,090.25	201.32	1,723.00	.....	21,014.57
Newbury.....	22,749.48	234.49	811.00	.....	23,794.97
Newcastle.....	79,510.64	858.05	6,672.00	.....	87,040.69
New Hamburg.....	237,851.15	2,576.57	10,088.00	.....	250,515.72
Newmarket.....	468,185.58	4,941.89	43,891.00	.....	517,018.47
New Toronto.....	3,261,180.82	33,307.62	175,186.00	.....	3,469,674.44
Niagara.....	233,606.34	2,508.46	9,959.00	.....	246,073.80
Niagara Falls.....	4,097,772.61	42,950.48	213,253.00	365.31	4,354,341.40
Nipigon Twp.....	163,962.37	1,803.82	10,304.00	.....	176,070.19
North Bay.....	397,825.67	1,385,017.74	89,794.00	.....	1,872,637.41
North York Twp.....	10,806,742.41	99,646.05	1,566,085.00	.....	12,472,473.46
Norwich.....	163,352.19	1,877.28	4,927.00	.....	170,156.47
Norwood.....	70,032.72	702.39	3,920.00	.....	74,655.11
Oakville.....	2,373,841.09	16,019.69	450,399.00	.....	2,840,259.78
Oil Springs.....	82,840.43	902.03	1,968.00	.....	85,710.46
Omeme.....	43,651.56	476.61	2,849.00	.....	46,977.17
Orangeville.....	385,640.14	3,934.79	24,937.00	.....	414,511.93
Orillia.....	314,600.08	2,749.21	44,401.00	.....	361,750.29
Orono.....	42,872.36	433.68	4,202.00	.....	47,508.04
Oshawa.....	6,647,658.92	64,180.52	531,979.00	.....	7,243,818.44



**STATEMENT OF EQUITIES ACCUMULATED THROUGH  
DEBT RETIREMENT CHARGES**

**for the Year Ended December 31, 1966**

Municipality	Balance at December 31, 1965	Distribution of Unallocated Equities	Additions in the Year through Debt Retirement Charges	Equities Transferred through Annexation	Balance at December 31, 1966
	\$	\$	\$	\$	\$
Ottawa.....	11,012,845.41	108,440.61	1,219,255.00	.....	12,340,541.02
Otterville.....	53,894.79	577.71	2,251.00	.....	56,723.50
Owen sound.....	1,646,984.08	17,648.44	77,569.00	.....	1,742,201.52
Paisley.....	72,953.47	710.71	2,979.00	.....	76,643.18
Palmerston.....	212,542.70	2,279.11	7,175.00	.....	221,996.81
Paris.....	567,328.16	6,030.21	26,038.00	.....	599,396.37
Parkhill.....	126,220.25	1,279.60	5,697.00	.....	133,196.85
Parry Sound.....	156,539.69	1,470.74	20,157.00	.....	178,167.43
Penetanguishene.....	346,297.97	3,775.52	17,400.00	.....	367,473.49
Perth.....	552,037.15	5,438.86	28,473.00	.....	585,949.01
Peterborough.....	4,217,136.77	42,478.61	275,190.00	14,451.12	4,549,256.50
Petrolia.....	416,681.11	4,482.59	14,486.00	.....	435,649.70
Pickering.....	32,831.74	212.26	5,978.00	.....	39,022.00
Picton.....	494,651.36	4,874.71	23,579.00	.....	523,105.07
Plantagenet.....	20,547.39	.....	3,523.00	.....	24,070.39
Plattsville.....	73,048.95	787.15	4,507.00	.....	78,343.10
Point Edward.....	537,038.83	5,581.16	36,055.00	.....	578,674.99
Port Arthur.....	11,784,387.40	113,841.49	262,907.00	.....	12,161,135.89
Port Burwell.....	30,092.22	306.05	1,558.00	.....	31,956.27
Port Colborne.....	932,190.65	8,535.25	75,317.00	.....	1,016,042.90
Port Credit.....	788,416.03	7,160.58	84,115.00	.....	879,691.61
Port Dover.....	239,578.37	2,444.02	13,458.00	1,040.00	256,520.39
Port Elgin.....	172,892.22	1,761.49	10,810.00	.....	185,463.71
Port Hope.....	848,628.38	9,091.08	48,346.00	.....	906,065.46
Port McNicoll.....	102,919.47	1,156.56	7,161.00	.....	111,237.03
Port Perry.....	161,512.12	1,573.55	10,591.00	.....	173,676.67
Port Rowan.....	49,496.00	468.90	1,855.00	.....	51,819.90
Port Stanley.....	211,654.10	2,349.56	6,092.00	.....	220,095.66
Prescott.....	413,375.89	4,323.07	22,752.00	.....	440,450.96
Preston.....	1,309,160.14	14,258.94	65,289.00	.....	1,388,708.08
Priceville.....	6,896.20	65.36	345.00	.....	7,306.56
Princeton.....	51,268.76	522.39	1,673.00	.....	53,464.15
Queenston.....	44,845.77	468.49	2,136.00	.....	47,450.26
Rainy River.....	13,337.90	12,324.79	3,791.00	.....	29,453.69
Red Rock.....	67,184.45	772.88	4,983.00	.....	72,940.33
Renfrew.....	285,138.16	2,946.30	30,675.00	.....	318,759.46
Richmond.....	49,043.88	446.37	5,401.00	.....	54,891.25
Richmond Hill.....	584,262.91	5,256.55	71,654.00	.....	661,173.46
Ridgetown.....	227,422.58	2,376.85	10,779.00	.....	240,578.43
Ripley.....	53,056.46	515.54	2,251.00	.....	55,823.00
Rockland.....	61,429.44	475.18	8,450.00	.....	70,354.62
Rockwood.....	61,771.37	675.28	2,664.00	.....	65,110.65
Rodney.....	81,098.12	833.72	3,434.00	.....	85,365.84
Rosseau.....	22,602.46	209.59	767.00	.....	23,579.05
Russell.....	40,294.86	369.38	2,195.00	.....	42,859.24

**STATEMENT OF EQUITIES ACCUMULATED THROUGH  
DEBT RETIREMENT CHARGES  
for the Year Ended December 31, 1966**

Municipality	Balance at December 31, 1965	Distribution of Unallocated Equities	Additions in the Year through Debt Retirement Charges	Equities Transferred through Annexation	Balance at December 31, 1966
	\$	\$	\$	\$	\$
St. Catharines.....	8,698,550.64	90,751.17	599,784.00	.....	9,389,085.81
St. Clair Beach.....	60,642.44	612.61	4,290.00	.....	65,545.05
St. George.....	74,991.48	752.35	3,352.00	.....	79,095.83
St. Jacobs.....	96,312.24	979.07	3,680.00	.....	100,971.31
St. Mary's.....	883,271.28	8,216.69	76,399.00	.....	967,886.97
St. Thomas.....	2,448,153.96	25,883.10	111,612.00	.....	2,585,649.06
Sandwich West Twp.	165,395.05	1,524.20	17,722.00	.....	184,641.25
Sarnia.....	7,963,538.41	70,951.03	218,286.00	.....	8,252,775.44
Scarborough Twp....	8,384,825.61	78,497.50	1,034,115.00	.....	9,497,438.11
Schreiber Twp.....	92,554.35	1,008.99	8,080.00	.....	101,643.34
Seaforth.....	263,993.88	3,030.12	10,644.00	.....	277,668.00
Shelburne.....	129,883.03	1,418.61	5,808.00	.....	137,109.64
Simcoe.....	898,081.96	8,839.90	55,764.00	.....	962,685.86
Sioux Lookout.....	41,626.91	142,508.49	10,653.00	.....	194,788.40
Smiths Falls.....	873,239.98	8,805.96	51,149.00	.....	933,194.94
Smithville.....	60,176.11	680.73	3,708.00	.....	64,564.84
Southampton.....	161,327.38	1,678.29	8,103.00	.....	171,108.67
South River.....	9,018.39	12.94	2,531.00	.....	11,562.33
Springfield.....	42,345.86	418.34	1,281.00	.....	44,045.20
Stayner.....	121,968.07	1,286.82	7,061.00	.....	130,315.89
Stirling.....	99,973.70	993.39	6,048.00	.....	107,015.09
Stoney Creek.....	222,166.89	2,236.79	23,551.00	.....	247,954.68
Stouffville.....	198,423.54	1,965.64	14,665.00	.....	215,054.18
Stratford.....	2,685,048.18	28,236.56	131,738.00	15,356.72	2,860,379.46
Strathroy.....	506,585.21	5,229.77	28,142.00	.....	539,956.98
Streetsville.....	206,759.93	2,055.07	21,565.00	.....	230,380.00
Sturgeon Falls.....	74,854.08	58,719.99	18,879.00	.....	152,453.07
Sudbury.....	982,679.58	1,983,151.56	263,167.00	130,674.13	3,359,672.27
Sunderland.....	53,074.44	589.81	2,761.00	.....	56,425.25
Sundridge.....	26,613.44	236.38	3,210.00	.....	30,059.82
Sutton.....	149,009.03	1,494.88	7,599.00	.....	158,102.91
Swansea.....	780,083.42	7,829.29	35,589.00	.....	823,501.71
Tara.....	57,257.46	566.29	3,554.00	.....	61,377.75
Tavistock.....	205,158.30	2,189.98	5,801.00	.....	213,149.28
Tecumseh.....	196,244.51	1,984.86	12,441.00	.....	210,670.37
Teeswater.....	92,187.32	883.42	5,640.00	.....	98,710.74
Terrace Bay Twp....	129,659.62	1,557.25	8,024.00	.....	139,240.87
Thamesford.....	99,605.46	1,015.39	5,617.00	.....	106,237.85
Thamesville.....	108,476.35	1,135.59	5,158.00	.....	114,769.94
Thedford.....	66,198.87	672.99	2,946.00	.....	69,817.86
Thessalon.....	22,508.82	7,946.96	5,176.00	.....	35,631.78
Thornbury.....	59,942.43	559.47	6,880.00	.....	67,381.90
Thorndale.....	39,243.30	439.32	1,292.00	.....	40,974.62
Thornton.....	19,254.11	189.47	831.00	.....	20,274.58
Thorold.....	1,162,576.63	11,484.98	60,614.00	.....	1,234,675.61
Tilbury.....	296,338.01	3,210.44	12,492.00	.....	312,040.45
Tillsonburg.....	576,434.19	5,955.05	37,490.00	487.87	620,367.11
Toronto.....	98,812,416.75	1,045,297.03	3,729,861.00	.....	103,587,574.78
Toronto Twp.....	3,958,432.69	34,301.87	558,514.00	.....	4,551,248.56
Tottenham.....	63,844.02	637.84	2,369.00	.....	66,850.86

**STATEMENT OF EQUITIES ACCUMULATED THROUGH  
DEBT RETIREMENT CHARGES  
for the Year Ended December 31, 1966**

Municipality	Balance at December 31, 1965	Distribution of Unallocated Equities	Additions in the Year through Debt Retirement Charges	Equities Transferred through Annexation	Balance at December 31, 1966
	\$	\$	\$	\$	\$
Trenton.....	1,385,838.02	14,263.11	89,923.00	.....	1,490,024.13
Tweed.....	126,873.87	1,270.03	8,451.00	.....	136,594.90
Uxbridge.....	192,024.54	1,857.08	15,229.00	.....	209,110.62
Vankleek Hill.....	34,629.60	312.15	4,924.00	.....	39,865.75
Victoria Harbour.....	44,376.22	442.59	3,094.00	.....	47,912.81
Walkerton.....	304,438.93	3,074.13	24,406.00	.....	331,919.06
Wallaceburg.....	1,368,649.27	14,354.73	79,320.00	.....	1,462,324.00
Wardsville.....	26,713.08	277.21	1,022.00	.....	28,012.29
Warkworth.....	35,285.32	340.71	1,698.00	.....	37,324.03
Wasaga Beach.....	43,529.42	433.55	5,021.00	.....	48,983.97
Waterdown.....	123,682.70	1,359.63	6,964.00	.....	132,006.33
Waterford.....	171,003.39	1,735.71	8,898.00	97.37	181,734.47
Waterloo.....	1,900,030.69	19,339.55	157,371.00	.....	2,076,741.24
Watford.....	170,475.29	1,739.92	8,992.00	.....	181,207.21
Waubashene.....	38,928.91	412.53	2,055.00	.....	41,396.44
Webbwood.....	4,039.94	3,637.98	1,046.00	.....	8,723.92
Welland.....	2,574,560.60	25,926.94	177,419.00	.....	2,777,906.54
Wellesley.....	67,179.67	780.33	2,685.00	.....	70,645.00
Wellington.....	88,502.49	884.32	3,525.00	.....	92,911.81
West Ferris Twp.....	96,937.70	52,507.89	28,394.00	50,734.29	228,573.88
West Lorne.....	155,790.32	1,779.53	7,058.00	.....	164,627.85
Weston.....	1,351,614.72	14,533.42	62,613.00	.....	1,428,761.14
Westport.....	49,749.82	495.91	2,508.00	.....	52,753.73
Wheatley.....	116,177.32	1,186.58	4,860.00	.....	122,223.90
Whitby.....	839,292.10	7,794.25	82,451.00	.....	929,537.35
Warton.....	163,046.55	1,651.14	8,049.00	.....	172,746.69
Widdifield Twp.....	19,880.00	.....	51,383.00	165,827.25	237,090.25
Williamsburg.....	37,681.61	384.94	1,537.00	.....	39,603.55
Winchester.....	149,972.34	1,566.66	8,654.00	.....	160,193.00
Windermere.....	21,255.07	207.66	1,063.00	.....	22,525.73
Windsor.....	17,126,399.62	178,665.10	786,143.00	11,427.48	18,102,635.20
Wingham.....	312,810.31	3,077.83	16,935.00	.....	332,823.14
Woodbridge.....	259,873.02	2,965.05	11,663.00	.....	274,501.07
Woodstock.....	2,507,401.69	26,106.62	137,454.00	.....	2,670,962.31
Woodville.....	36,452.77	430.32	1,404.00	.....	38,287.09
Wyoming.....	55,277.98	586.66	3,149.00	.....	59,013.64
York Twp.....	6,674,522.97	70,924.21	380,950.00	.....	7,126,397.18
Zurich.....	69,428.87	732.80	2,844.00	.....	73,005.67
Total Municipalities.....	396,895,621.06	8,153,681.38	25,297,969.00	852,344.02	431,199,615.46
Power District.....	96,643,808.07	51,741,597.99	14,032,159.00	852,344.02	161,565,221.04
Unallocated Equities (Note).....	493,539,429.13	59,895,279.37	39,330,128.00	.....	592,764,836.50
	59,895,279.37	59,895,279.37	.....	.....	.....
	553,434,708.50	.....	39,330,128.00	.....	592,764,836.50

NOTE: See Note 11 on page 36.



## APPENDIX III—RURAL

**P**OWER is delivered in wholesale quantities to 77 Areas in the Rural Power District. Within the Areas, retail customers are supplied under the following classes of services: Farm, Residential, and General. The description of these classes of service and the rates applicable to them at December 31, 1966 are included in this appendix.

### **Description of Main Classes of Service**

The Farm class is applicable to properties regularly used in agricultural production. It includes single-phase or three-phase electric service to the farm residence and to all buildings and equipment used in the production and processing of farm products. Agricultural production as used here includes the work of cultivating soil, producing crops and raising livestock, as well as operations in nurseries, fur farms, hatcheries, and egg production. Properties devoted solely to reforestation projects or the raising of Christmas trees are not considered as farms. Properties having extensive acreage but not engaged in agricultural production are classified according to their use but not as farms. Small properties of thirty acres and under are classified as residential unless they are operated for some intensive or specialized form of agricultural production, for example fruit farming, poultry raising, market gardening, nurseries etc. Service may be supplied under one farm contract to all separate dwellings on the property and occupied by persons engaged in its

operation. Additional dwellings occupied by persons otherwise engaged are regarded as residential.

The Year-round Residential class is applicable to establishments used primarily for living accommodation and considered to be the customer's permanent residence. There are two sub-classes of year-round residential service, Rural Residential, which is applicable to service in designated zones of low-customer concentration, and Suburban, which is applicable to service in designated zones of high customer concentration where there are at least 100 customers in a group with a density of not fewer than 25 customers per mile of line.

The Residential Seasonal class is applicable to any self-contained, residential property which is not regarded as the customer's permanent residence, and where private occupancy is seasonal, or intermittent throughout the year, whether in summer or winter.

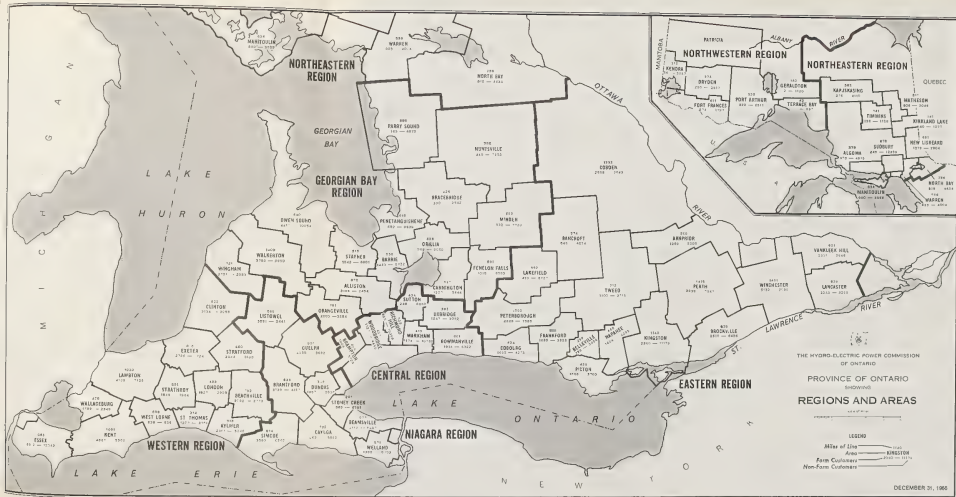
The General class is applicable to all other community, business, processing, or manufacturing establishments supplied with single-phase or three-phase electric service at secondary, rural primary distribution, or sub-transmission voltage, exclusive of those that fall within the definition of the Farm class.

In the table of Miles of Line and Number of Customers beginning on page 148 Residential customers formerly subdivided as Rural, Hamlet, and Suburban have been re-grouped as Low-Density and High-Density customers, while those shown in previous years as Other Summer customers have been included in the Residential Seasonal category. Former Commercial, Summer Commercial, and Power Service customers have been grouped under General Service as Single-Phase, Seasonal, and Three-Phase customers.

### **Rural Rate Structure**

Extensive changes in rates and rate structures were introduced in 1966 throughout the province, and the net rates in effect at December 31, 1966 are given in the accompanying table. They are quoted on a monthly basis except the rate for Residential Seasonal which is quoted on an annual basis. The table shows the number of kilowatt-hours in each energy block, and the rate applicable for each class of service. Bills are subject to a monthly minimum as shown or, in the case of Residential Seasonal, to an annual minimum. Bills for Farm and General accounts with demands in excess of 50 kilowatts are based on measured demand and are subject to minima related to demands established in previous billing periods.

The all-electric rates in effect throughout the province apply to year-round residential service where the sole source of energy is electricity, that is, where electric energy exclusively is used for space-heating, cooking, and water-heating through the use of a high-performance water-heater with tank and element size acceptable to Ontario Hydro.



THE HYDRO-ELECTRIC POWER COMMISSION  
OF ONTARIO

PROVINCE OF ONTARIO  
(continued)

## REGIONS AND AREAS

Figure 1 shows a number line from 0 to 10. A point is marked at 4, labeled  $4 = 2^2 = 2^2$ . A bracket below the line from 0 to 4 is labeled  $2^2 = 4$ . A bracket below the line from 4 to 10 is labeled  $2^3 = 8$ .

LEGEND

- Miles of line
- Area
- Farm Customers
- Non-Farm Customers





# NET RATES AND TYPICAL BILLS FOR RURAL ELECTRICAL SERVICE

Class and Designation	Electric Heating Separately Billed ¢ per Kwh	Number of Kilowatt-Hours per Month Billed at Kwh Rate Shown (+ indicates all additional)							Minimum Bill Per Month	Net Monthly Bill for	
		5.5¢	5.0¢	4.5¢	2.0¢	1.7¢	1.25¢	1.1¢		250 kwh	500 kwh
<b>*Residential Year-Round</b>											
LOW DENSITY											
*** R2 ■	1.25	...	50	...	...	200	+	...	\$2.50	\$5.90	\$9.03
*** R ●	1.25	50	...	...	200	...	+	..	\$2.75	\$6.75	\$9.88
ER	...	...	...	...	50	...	+	...	\$2.75	\$3.50	\$6.63
HIGH DENSITY											
*** B	1.1	...	...	50	...	200	...	+	\$2.75	\$5.65	\$8.40
EB ●	...	...	...	...	50	...	...	+	\$2.75	\$3.20	\$5.95
<b>**Residential Seasonal</b>		ANNUAL RATES							Minimum Annual Bill	Net Annual Bill for	
		\$40.00		2.4¢		1.35¢				750 kwh	1000 kwh
	...	First 700 kwh or less per year		Next 200 kwh		+				\$40.00	\$41.20

\*Formerly Hamlet, Rural and Suburban Residential Customers

\*\*Formerly Summer Customers

\*\*\*Upon application to the Commission, customers using an approved metered electric water heater with tank and element sizes acceptable to Ontario Hydro shall have a block of 500 kwh at 0.7¢ per kwh inserted in the rate schedule immediately following the second block

■ Existing 2-wire services only

● All-electric rate for customers having an approved metered, electric water-heater and using electricity as the sole source of energy for home heating and cooking

▲ Rates quoted on an annual basis only

Class and Designation	First 50 kwh or less per month	Balance of Kilowatt-Hours per Month at Kwh Rate Shown (+ indicates all additional)						Demand Charge	Minimum Bill Per Month	Net Monthly Bill Under 50 kw for	
		2.5¢	2.0¢	1.35¢	0.5¢	0.4¢	0.3¢	First 50 kw per month—no charge Balance—\$ per kw		250 kwh	500 kwh
<b>General</b>											
SINGLE-PHASE											
● *1G2▲	\$2.75	....	200	9750	....	....	....	....	\$2.75	\$6.75	\$10.13
*1G1▲	\$3.25	200	....	9750	+	....	....	\$1.70	\$3.25◎	\$8.25	\$11.63
THREE-PHASE											
**1G3▲	\$8.25	200	....	9750	190,000	800,000	+	\$1.70	\$8.25◎	\$13.25	\$16.63
<b>Farm</b>		Balance of Kwh per Month at ¢ per Kwh (+ indicates all additional)									
SINGLE-PHASE		2.2¢		1.3¢		0.5¢					
1F1■	\$2.75	200		9750		+		\$1.70	\$2.75◎	\$7.15	\$10.40
THREE-PHASE											
**1F3■	\$7.75	200		9750		+		\$1.70	\$7.75◎	\$12.15	\$15.40

\*Formerly Commercial

\*\*Formerly Industrial Power

● Existing 2-wire services only

▲ Upon application to the Commission, customers having one or more approved, metered, electric water-heaters, with tank and element sizes acceptable to Ontario Hydro, shall have a block of 500 kwh at (▲0.8¢) (■0.7¢) per kwh inserted in the rate schedule immediately following the second block. The third energy block shall thereupon be reduced from 9750 kwh to 9250 kwh.

◎Plus \$1.00 per kw for each kw in excess of 50, established as a peak during the previous 11 months.

**MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS**  
**as at December 31, 1966**

OPERATING AREAS BY REGIONS	MILES OF PRIMARY LINE	NUMBER OF CUSTOMERS							
		Farm	Residential			General Service			Total
			Low-Density	High-Density	Seasonal	Single-Phase	Seasonal	Three-Phase	
EAST SYSTEM									
WESTERN									
Aylmer.....	513.17	2,361	1,861	756	151	432	13	33	5,607
Beachville.....	791.62	3,082	1,617	644	42	423	6	41	5,855
Clinton.....	821.78	3,194	1,128	333	1,140	407	19	28	6,249
Essex.....	1,083.01	5,512	4,862	2,371	3,612	971	95	132	17,555
Exeter.....	676.38	2,726	727	115	583	254	16	29	4,450
Kent.....	1,090.81	4,367	2,486	985	978	792	44	77	9,729
Lambton.....	1,019.72	4,109	1,782	2,566	1,877	715	93	92	11,234
London.....	482.78	1,827	1,281	1,091	37	416	1	82	4,735
St. Thomas.....	314.45	1,207	905	938	21	267	.....	20	3,358
Stratford.....	680.01	2,944	1,031	264	1	374	.....	28	4,642
Strathroy.....	550.89	1,848	1,326	291	4	323	.....	20	3,812
Wallaceburg.....	477.87	1,789	654	839	407	413	1	34	4,137
West Lorne.....	508.22	1,838	514	.....	66	229	.....	27	2,674
Total.....	9,010.71	36,804	20,174	11,193	8,919	6,016	288	643	84,037
NIAGARA									
Beamsville.....	576.98	3,114	1,906	3,678	203	599	8	93	9,601
Brantford.....	832.71	3,138	2,123	1,286	56	606	5	41	7,255
Cayuga.....	731.62	2,631	1,944	359	2,693	461	62	43	8,193
Dundas.....	396.42	1,657	1,911	3,445	3	416	.....	61	7,493
Guelph.....	935.61	2,958	2,609	1,968	469	726	14	96	8,840
Listowel.....	869.38	3,581	738	815	323	501	6	58	6,022
Simcoe.....	813.92	3,599	2,692	1,124	1,830	498	83	35	9,861
Stoney Creek.....	291.29	889	1,202	4,825	99	559	.....	106	7,680
Welland.....	571.18	1,388	1,597	4,186	1,432	631	85	72	9,391
Total.....	6,019.11	22,955	16,722	21,686	7,108	4,997	263	605	74,336



## MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS

as at December 31, 1966

OPERATING AREAS BY REGIONS	MILES OF PRIMARY LINE	NUMBER OF CUSTOMERS							Total
		Farm	Residential			General Service			
			Low-Density	High-Density	Seasonal	Single-Phase	Seasonal	Three-Phase	
EAST SYSTEM —Continued									
CENTRAL									
Bowmanville....	661.35	1,814	1,866	3,582	181	591	36	66	8,136
Brampton.....	406.07	1,004	1,622	3,396	167	404	14	125	6,732
Markham.....	419.04	1,174	1,922	6,719	533	763	34	90	11,235
Richmond Hill..	329.00	825	1,581	7,593	166	833	5	190	11,193
Sutton.....	434.05	1,248	1,071	3,474	3,489	474	116	36	9,908
Uxbridge.....	361.20	1,047	662	454	1,742	173	12	9	4,099
Woodbridge.....	406.92	1,127	1,778	1,948	53	544	.....	127	5,577
Total.....	3,017.63	8,239	10,502	27,166	6,331	3,782	217	643	56,880
GEORGIAN BAY									
Alliston.....	878.34	3,166	1,376	479	207	347	12	33	5,620
Barrie.....	537.76	1,443	1,445	2,569	3,969	483	112	44	10,065
Bracebridge....	925.72	330	1,707	908	9,176	413	315	23	12,872
Cannington....	517.15	1,227	842	682	3,568	282	57	13	6,671
Fenelon Falls...	591.10	1,018	729	470	4,936	241	193	14	7,601
Huntsville.....	791.57	440	1,432	1,082	4,088	396	275	29	7,742
Minden.....	591.86	332	1,065	834	5,232	377	198	14	8,052
Orangeville.....	780.97	2,203	1,736	576	509	416	13	34	5,487
Orillia.....	536.41	969	987	2,509	3,887	488	143	36	9,019
Owen Sound....	1,539.96	4,450	1,678	1,647	5,577	857	241	54	14,504
Parry Sound....	587.67	163	1,571	223	2,620	314	220	24	5,135
Penetanguishene.	615.36	689	1,317	825	7,003	268	204	22	10,328
Stayner.....	514.72	1,542	774	1,152	4,246	366	241	22	8,343
Walkerton.....	1,008.51	3,783	961	475	950	486	30	28	6,713
Wingham.....	720.68	2,751	392	446	1,115	328	60	12	5,104
Total.....	11,137.78	24,506	18,012	14,877	57,083	6,062	2,314	402	123,256

**MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS**  
as at December 31, 1966

OPERATING AREAS BY REGIONS	MILES OF PRIMARY LINE	NUMBER OF CUSTOMERS							
		Farm	Residential			General Service			Total
			Low-Density	High-Density	Seasonal	Single-Phase	Seasonal	Three-Phase	
EAST SYSTEM —Continued									
EASTERN									
Arnprior.....	560.21	1,269	1,189	1,714	1,824	399	44	35	6,474
Bancroft.....	573.85	546	1,125	434	2,315	227	124	9	4,780
Belleville.....	238.49	758	464	1,578	61	311	2	38	3,212
Brockville.....	879.36	2,510	2,960	871	1,805	748	3	49	8,946
Cobden.....	1,332.00	2,558	2,796	1,683	2,032	834	146	52	10,101
Cobourg.....	624.24	1,665	1,504	1,077	1,223	367	79	23	5,938
Frankford.....	624.95	1,685	1,688	1,015	662	396	35	29	5,510
Kingston.....	1,140.35	2,360	2,317	5,269	2,475	1,021	6	91	13,539
Lakefield.....	551.90	499	739	382	5,143	355	.....	8	7,126
Lancaster.....	625.62	2,243	1,094	1,056	578	454	20	53	5,498
Napanee.....	445.90	1,424	1,023	363	563	293	37	16	3,719
Perth.....	1,415.49	2,898	2,225	453	4,028	643	164	34	10,445
Peterborough....	1,092.27	2,629	1,900	1,383	3,588	537	142	43	10,222
Pictou.....	495.96	1,666	2,005	224	998	341	113	22	5,369
Tweed.....	712.19	1,100	1,567	89	1,560	319	165	11	4,811
Vankleek Hill...	621.37	2,391	1,151	607	414	446	.....	28	5,037
Winchester.....	1,460.77	5,132	3,739	1,602	642	1,011	7	80	12,213
Total.....	13,394.92	33,333	29,486	19,800	29,911	8,702	1,087	621	122,940
NORTHEASTERN									
Algoma.....	378.56	375	1,151	2,614	380	543	64	61	5,188
Kapuskasing....	381.59	276	1,280	2,063	356	368	15	28	4,386
Kirkland Lake..	140.52	40	422	85	434	103	25	8	1,117
Manitoulin.....	634.10	850	859	1,074	907	556	135	24	4,405
Matheson.....	510.68	608	1,054	328	410	229	8	17	2,654
New Liskeard...	691.07	1,219	1,143	599	549	475	1	37	4,023
North Bay.....	756.00	818	2,010	772	1,254	400	171	27	5,452
Sudbury.....	677.61	245	2,724	7,211	1,527	787	26	84	12,604
Timmins.....	141.24	138	174	698	120	113	3	18	1,264
Warren.....	555.82	825	1,279	846	1,366	387	107	19	4,829
Total.....	4,867.19	5,394	12,096	16,290	7,303	3,961	555	323	45,922

**MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS**  
**as at December 31, 1966**

OPERATING AREAS BY REGIONS	MILES OF PRIMARY LINE	NUMBER OF CUSTOMERS							
		Farm	Residential			General Service			Total
			Low-Density	High-Density	Seasonal	Single-Phase	Seasonal	Three-Phase	
WEST SYSTEM									
NORTHWESTERN									
Dryden.....	373.53	220	1,306	399	511	315	71	15	2,837
Fort Frances....	610.98	874	915	200	269	352	55	6	2,671
Geraldton.....	140.34	2	237	568	29	242	14	30	1,122
Kenora.....	311.63	56	802	516	1,372	204	146	17	3,113
Port Arthur.....	934.62	922	2,723	1,439	1,735	551	28	35	7,433
Terrace Bay.....	44.87	.....	152	648	40	127	14	16	997
Total.....	2,415.97	2,074	6,135	3,770	3,956	1,791	328	119	18,173

**SUMMARY—MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS**  
**as at December 31, 1966**

REGIONS BY SYSTEMS	MILES OF PRIMARY LINE	NUMBER OF CUSTOMERS							
		Farm	Residential			General Service			Total
			Low-Density	High-Density	Seasonal	Single-Phase	Seasonal	Three-Phase	
EAST SYSTEM									
Western.....	9,010.71	36,804	20,174	11,193	8,919	6,016	288	643	84,037
Niagara.....	6,019.11	22,955	16,722	21,686	7,108	4,997	263	605	74,336
Central.....	3,017.63	8,239	10,502	27,166	6,331	3,782	217	643	56,880
Georgian Bay...	11,137.78	24,506	18,012	14,877	57,083	6,062	2,314	402	123,256
Eastern.....	13,394.92	33,333	29,486	19,800	29,911	8,702	1,087	621	122,940
Northeastern....	4,867.19	5,394	12,096	16,290	7,303	3,961	555	323	45,922
Total.....	47,447.34	131,231	106,992	111,012	116,655	33,520	4,724	3,237	507,371
WEST SYSTEM									
Northwestern....	2,415.97	2,074	6,135	3,770	3,956	1,791	328	119	18,173
Grand Total...	49,863.31	133,305	113,127	114,782	120,611	35,311	5,052	3,356	525,544



## Rural Electrical Service 1957 - 1966

## CUSTOMERS, REVENUE AND CONSUMPTION, BY CLASSES OF SERVICE

Class of Service	Year	Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
		\$	kwh		kwh	¢
<b>*Farm.....</b>	1957	14,386,097	685,863,992	140,604	408	2.10
	1958	15,159,553	739,085,422	140,343	438	2.05
	1959	16,122,453	804,044,121	140,892	477	2.01
	1960	16,688,958	850,192,892	140,782	503	1.96
	1961	17,367,400	909,189,400	138,924	542	1.91
	1962	17,975,845	971,696,100	137,954	585	1.85
	1963	19,086,801	1,058,604,500	136,864	642	1.80
	1964	19,447,674	1,090,954,900	135,680	667	1.78
	1965	20,408,010	1,170,321,600	134,484	722	1.74
	1966	21,140,330	1,226,165,263	133,112	764	1.72
<b>*Residential (formerly Hamlet, Rural, and Suburban Residential)</b>	1957	16,174,554	780,555,462	196,025	345	2.07
	1958	17,732,046	905,280,698	207,570	374	1.96
	1959	18,862,773	988,315,209	218,287	387	1.91
	1960	20,151,434	1,070,637,716	221,915	405	1.88
	1961	20,494,966	1,096,653,000	205,822	427	1.87
	1962	21,366,479	1,153,182,400	215,857	456	1.85
	1963	23,616,431	1,299,169,800	224,024	492	1.82
	1964	24,563,281	1,364,958,200	220,199	512	1.80
	1965	25,686,192	1,459,057,800	220,617	552	1.76
	1966	26,365,167	1,570,966,227	227,909	584	1.68
<b>*Commercial..... (including Summer Commercial)</b>	1957	4,855,540	232,393,865	35,179	564	2.09
	1958	5,346,040	259,521,547	36,966	600	2.06
	1959	5,764,611	282,562,584	38,176	627	2.04
	1960	6,099,889	301,874,591	38,887	653	2.02
	1961	6,425,565	324,871,900	38,496	700	1.98
	1962	6,739,668	343,061,600	39,574	732	1.96
	1963	7,423,798	383,400,200	40,509	798	1.94
	1964	7,821,307	407,033,500	40,525	837	1.92
	1965	8,355,580	435,773,100	40,506	896	1.92
	1966	8,654,367	478,810,358	40,363	987	1.81
<b>*Seasonal Residential (formerly Summer)</b>	1957	2,709,831	50,674,936	79,792	55	5.35
	1958	2,943,051	55,170,380	85,611	56	5.33
	1959	3,170,306	60,345,721	91,390	57	5.25
	1960	4,141,665	67,785,615	95,196	61	6.11
	1961	4,358,812	74,693,800	99,032	64	5.84
	1962	4,613,953	83,051,000	103,415	68	5.56
	1963	4,979,590	96,694,400	108,077	76	5.15
	1964	5,225,074	105,483,200	112,445	80	4.95
	1965	5,624,928	122,354,200	116,326	89	4.60
	1966	5,835,789	130,845,233	120,611	92	4.46
<b>Industrial Power.....</b>	1957	3,732,252	225,748,793	2,011	9,920	1.65
	1958	4,410,317	278,005,882	2,113	11,235	1.59
	1959	4,612,172	287,458,107	2,325	10,795	1.60
	1960	5,017,774	325,416,458	2,511	11,215	1.54
	1961	5,414,240	354,069,300	2,475	11,835	1.53
	1962	6,236,466	418,959,700	2,762	13,333	1.49
	1963	7,840,887	555,322,000	3,036	15,963	1.41
	1964	9,782,441	779,264,700	3,139	21,033	1.26
	1965	10,997,087	907,222,800	3,271	23,589	1.21
	1966	10,082,027	977,967,494	3,549	23,900	1.03

\*Consumption for flat-rate water heaters is included on the basis of an estimated 16.8 hours' daily use.

In accordance with the revised rate schedules introduced in 1966, three-phase farm services formerly classified as industrial power services were included this year under farm service, and all other former industrial power services have been grouped with former commercial services under a general classification. For comparison the statistics for Farm, Commercial, and Industrial Power Services in the preceding table are given for 1966 on the revised basis as follows:

Class of Service	Year	Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
		\$	kwh		kwh	¢
<b>Farm</b> .....	1966	21,312,377	1,240,088,007	133,305	771	1.72
<b>General</b> .....	1966	18,564,346	1,442,855,108	43,719	2,753	1.29





## SUPPLEMENT

### MUNICIPAL ELECTRICAL SERVICE

**R**ETAIL service in cities, towns, and villages, and in certain more densely populated township areas is provided principally by the 358 associated municipal electrical utilities. There are, however, 28 towns, townships, and villages, located mostly in the northeastern part of the province, where the Commission owns the distribution facilities and serves the retail customers directly. In order to make the record of this category of service as complete as possible, retail service in this supplement is interpreted as including both that provided by the municipal utilities and that provided by the Commission in these 28 other distribution systems.

The accompanying summary table and graphs cover three major classes of service provided during 1966 in all 386 communities, where a total of 1,662,049 customers were served, 1,630,255 by the municipal utilities, and 31,794 by the Commission. In this Section a brief commentary on these operations in general, and those of the municipal electrical utilities in particular, is supplemented by tabular statements giving information on financial operations, rates, consumption, typical bills, and average cost per kilowatt-hour. Statements "A" and "B" include a balance sheet and an operating statement for each of the municipal electrical utilities, and Statements "C" and "D" more general statistics for all 386 communities. The population figures quoted are for the most part those given in the Municipal Directory for 1967, published by the Department of Municipal Affairs of the Province of Ontario.

**Municipal Electrical Service**  
**CUSTOMERS, REVENUE AND CONSUMPTION**  
**1957 to 1966**

Class of Service	Year	Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
		\$	kwh		kwh	¢
<b>Residential . . . . .</b>	1957	65,842,103	5,602,672,756	1,072,868	435	1.18
	1958	69,804,608	6,036,470,489	1,139,061	442	1.16
	1959	73,955,229	6,540,969,291	1,194,878	456	1.13
	1960	78,337,615	6,944,659,090	1,234,903	469	1.13
	1961	83,682,550	7,400,028,084	1,307,893	472	1.13
	1962	89,016,406	7,852,651,665	1,346,408	486	1.13
	1963	93,121,018	8,255,600,930	1,382,270	498	1.13
	1964	98,724,259	8,742,950,806	1,434,174	508	1.13
	1965	106,738,283	9,423,405,257	1,475,590	532	1.13
	1966	114,462,536	10,102,582,788	1,505,780	559	1.13
<b>Commercial . . . . .</b>	1957	33,901,487	2,270,913,902	124,757*	1,517	1.49
	1958	35,968,060	2,445,225,765	122,446*	1,664	1.47
	1959	38,079,501	2,669,327,226	120,733*	1,842	1.43
	1960	41,229,320	2,921,670,317	123,441*	1,972	1.41
	1961	45,718,484	3,289,119,534	122,863*	2,231	1.39
	1962	49,438,348	3,633,872,392	121,964*	2,483	1.36
	1963	53,130,394	3,983,332,309	123,296*	2,692	1.33
	1964	58,244,181	4,460,958,590	125,555*	2,961	1.31
	1965	64,558,257	4,988,713,185	127,645*	3,257	1.29
	1966	72,309,441	5,705,565,474	132,270*	3,595	1.27
<b>Industrial Power . . .</b>	1957	50,124,976	5,366,245,253	22,607*	19,781	0.93
	1958	52,741,979	5,651,743,390	23,077*	20,409	0.93
	1959	61,167,603	7,052,152,034	23,545*	24,960	0.87
	1960	64,057,506	7,326,683,025	23,613*	25,857	0.87
	1961	69,215,271	7,994,001,074	23,179*	28,740	0.87
	1962	74,198,657	8,704,987,001	23,145*	31,342	0.85
	1963	79,740,870	9,581,875,552	23,456*	34,042	0.83
	1964	86,451,270	10,488,380,325	23,866*	36,622	0.82
	1965	95,988,774	11,668,654,346	23,675*	41,072	0.82
	1966	100,320,320	12,077,932,115	23,999*	41,939	0.83

\*Irregular variations from year to year in numbers of customers result from reclassifications from commercial to residential and from industrial power to commercial service.

NOTE: Kwh consumption figures for residential and commercial service in the above table reflect the use of flat-rate water heaters for a uniform average of 16.8 hours per day.

All three classes of service recorded increases in revenue, consumption, number of customers, and average consumption per customer, with commercial service showing the largest proportional increases. For industrial power service, increases in revenue, consumption, and average consumption per customer were all substantially lower than in any of the past five years. While percentage growth for residential service was lower than in 1965 for revenue, consumption, number of customers, and average consumption per customer, in all respects except number of customers, growth was better than the average for the past five years. To some extent, these statistical comparisons are affected by the customer reclassification referred to in the note on the summary table.

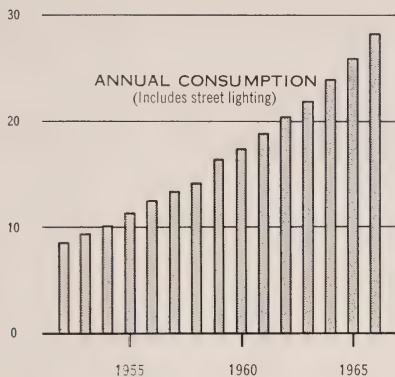
# MUNICIPAL ELECTRICAL SERVICE

## ANNUAL ENERGY CONSUMPTION AND AVERAGE COST PER KILOWATT-HOUR

### TOTAL ANNUAL ENERGY CONSUMPTION

BILLION KWH

40



### COMMERCIAL SERVICE

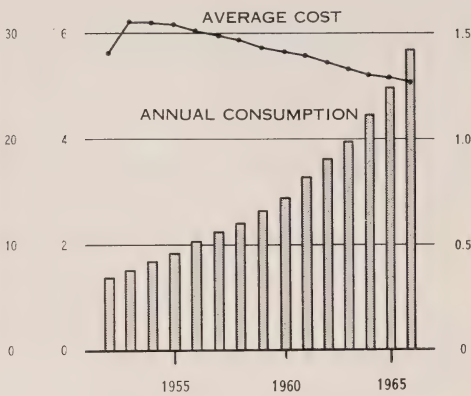
BILLION KWH

40

8

CENTS PER KWH

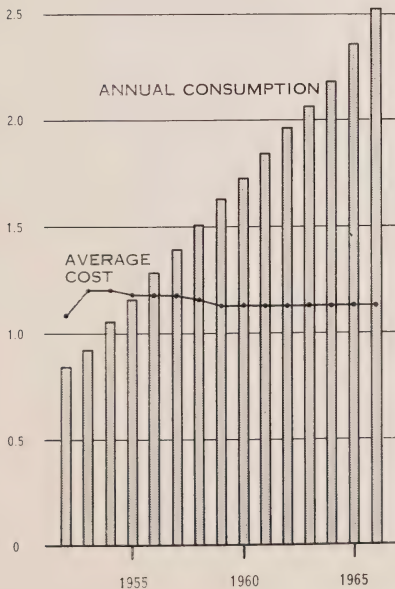
2.0



### RESIDENTIAL SERVICE

CENTS PER KWH

3.0



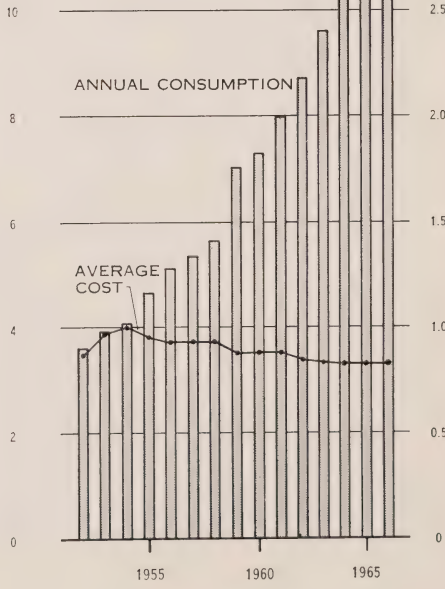
### INDUSTRIAL POWER SERVICE

BILLION KWH

12

CENTS PER KWH

12



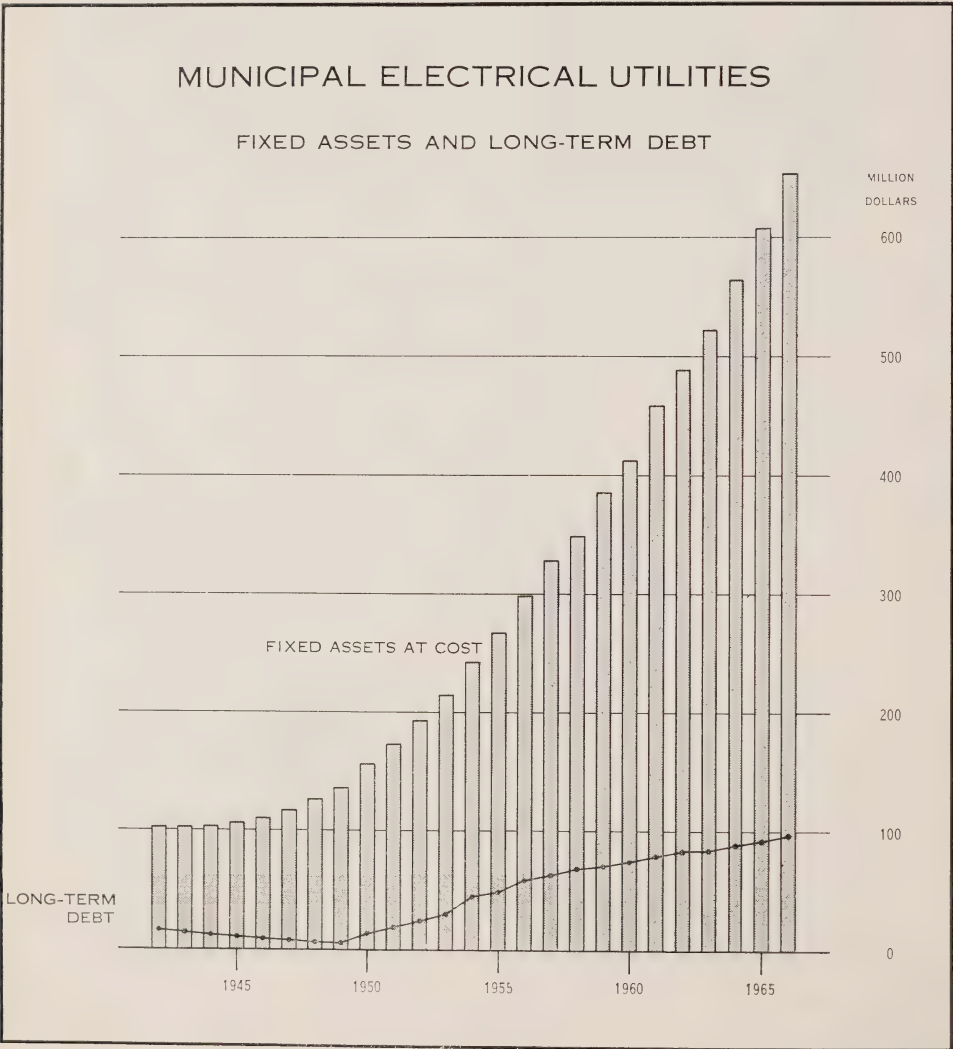


The graphs on page 157 portray the accelerating growth in commercial and industrial power service consumption and the resulting relatively steady decline in unit cost. The less rapid growth in residential service has been sufficient in recent years to maintain a steady average unit cost, in itself a significant achievement in an economy of steadily rising prices.

MUNICIPAL ELECTRICAL UTILITIES

Total assets of the 358 municipal electrical utilities, as these were constituted at December 31, 1966, rose during the year by \$69,715,075 to \$994,362,633 after deducting accumulated depreciation of \$164,122,993.

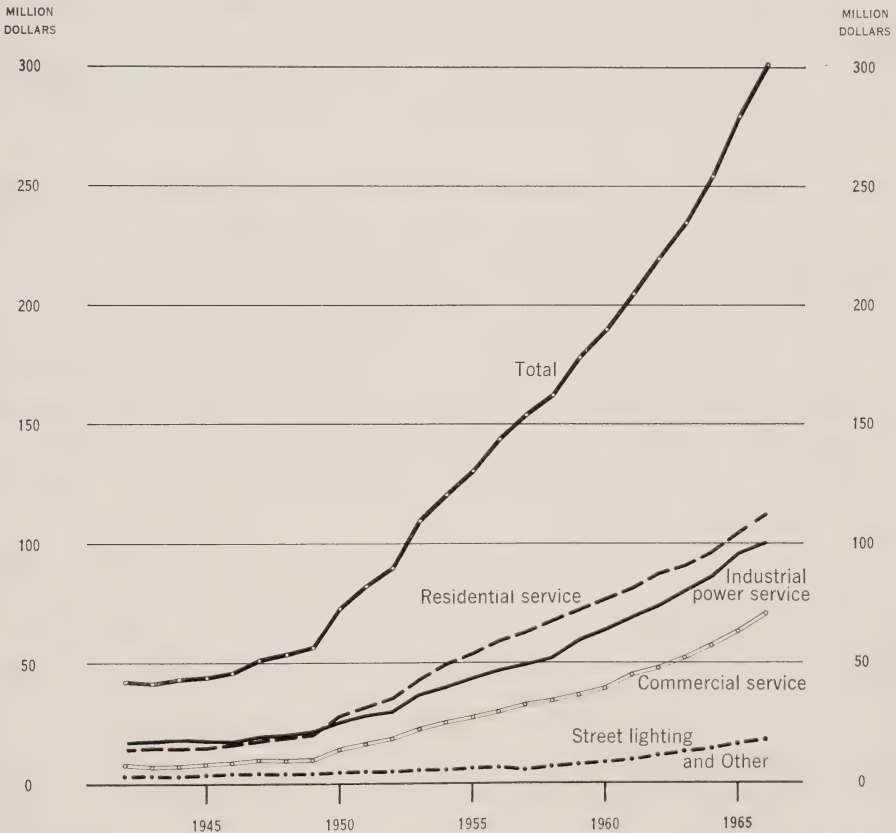
Over 40 per cent of this total has been invested in the Commission's systems where it has been used to retire the Commission's long-term debt. This investment



is shown on the Commission's balance sheet as capital contributed through debt retirement charges. The capital so contributed as part of the municipalities' cost of power, together with interest on previous contributions, and the cumulative total are shown for each municipality in the Commission's schedule of Equities Accumulated through Debt Retirement Charges, beginning on page 137. Most of the itemized totals shown for the municipalities in this schedule, and therefore the total of the schedule as a whole, differ from the corresponding amounts shown in Statement "A" because most utilities close their accounts at the end of the year before the Commission's calculations for this schedule are available. The figures in Statement "A", which show an increase in total equity of \$27,622,781, are therefore for the most part as at the end of 1965 rather than the year under review.

## MUNICIPAL ELECTRICAL UTILITIES

### REVENUE



The investment of the municipal electrical utilities in fixed assets at cost increased by \$46,452,493 to a total of \$654,128,175. Net long-term debt, that is debentures outstanding less local sinking fund set aside specifically for the retirement of debt, rose only by \$3,860,539 to \$88,226,643. The remainder of the increase in fixed assets at cost was available from internally generated funds. Net debt expressed as a percentage of fixed assets at cost declined from 13.9 per cent at the end of 1965 to 13.5 per cent at the end of 1966.

Total revenues of the municipal electrical utilities were up by 7.8 per cent to \$301,140,542. The sources were as follows:

Residential Service .....	\$112,185,553
Commercial Service .....	70,853,012
Industrial Power Service .....	100,046,580
Street Lighting .....	9,414,808
Other .....	8,640,589
<hr/>	
Total .....	\$301,140,542

Two utilities, Stratford and Windsor, in 1966 introduced the general rate for application both to commercial and to industrial power service customers. Other utilities will follow this procedure in 1967. In order, however, to provide statistics on a continuing comparable basis, customers have been grouped in the table above in the same manner as in previous years.

Total expense of the municipal electrical utilities at \$279,045,984 was 8.6 per cent greater than in 1965, leaving a margin of net income of \$22,094,558. This margin was 7.3 per cent of the revenue as compared with 8.1 per cent in 1965.

The Commission regards such a margin of net income as an economical source of funds for use by the municipal utilities in the normal expansion of their systems, and also as a stabilizing factor in the process of retail rate adjustment. This is taken into consideration in all reviews of municipal utility retail rates. Under The Power Commission Act, the Commission exercises supervisory control over the activities of the municipal electrical utilities, and their rates to ultimate customers are subject to the Commission's approval.

The books of account from which the foregoing financial information is derived are kept by the utilities in accordance with a standard accounting system designed by the Commission for use by all its municipal-utility customers. These records are periodically inspected by the Commission's municipal accountants. From time to time adjustments and improvements in accounting procedure and office routine are recommended as required. By providing this type of assistance and supervision, the Commission seeks to ensure the correct application of rates and standard procedures and the observance of a uniform classification of revenues and expenditures. The work carried out by the Commission's municipal accountants on the utilities' behalf does not, however, constitute an audit of their accounts. The municipalities must make their own arrangements for this audit.



## **MUNICIPAL ELECTRICAL SERVICE**

### **Statistical Tables**

#### **STATEMENTS A and B—**

<b>Financial Statements of the Municipal Electrical Utilities</b>	<b>Page</b>
Consolidated for Years 1957 to 1966 .....	162
By Municipalities .....	164

#### **STATEMENT C—**

<b>Rates and Typical Bills for Electrical Service Provided by the 358 Municipal Electrical Utilities and by Commission-owned Distribution Facilities in 28 Towns and Villages</b>	<b>214</b>
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#### **STATEMENT D—**

<b>Customers, Revenue, and Consumption in Municipalities Served by the 358 Municipal Electrical Utilities and by Commission-owned Distribution Facilities in 28 Towns and Villages</b>	<b>236</b>
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## MUNICIPAL ELECTRICAL UTILITIES

Year.....	1957	1958	1959	1960
Number of municipal utilities included	351	354	354	354
<b>A. BALANCE SHEETS</b>				
<b>FIXED ASSETS</b>	\$	\$	\$	\$
Plant and facilities at cost.....	327,925,974	349,706,161	385,419,306	413,611,989
Accumulated depreciation.....	68,075,083	72,673,866	77,551,575	82,246,973
Net fixed assets.....	258,950,891	277,032,295	307,867,731	331,365,016
<b>CURRENT ASSETS</b>				
Cash on hand and in bank.....	10,819,896	10,769,037	10,400,010	12,250,801
Short term investments.....				
Investment in government securities	14,174,408	13,333,906	15,560,183	13,990,120
Accounts receivable (net).....	12,573,922	13,911,267	13,463,791	12,868,807
Total current assets.....	37,568,226	38,014,210	39,423,984	39,109,728
<b>OTHER ASSETS</b>				
Inventory of stores.....	9,579,584	17,237,653	9,381,215	9,197,511
Sinking fund on local debentures...	561,622	1,033,436	1,726,182	2,316,958
Miscellaneous.....	1,894,582	2,214,392	2,421,279	2,553,588
Total other assets.....	12,035,788	20,485,481	13,528,676	14,068,057
Equity in Ontario Hydro Systems.....	202,293,236	218,736,441	238,790,589	261,101,650
<b>Total.....</b>	<b>508,848,141</b>	<b>554,268,427</b>	<b>599,610,980</b>	<b>645,644,451</b>
<b>LIABILITIES</b>				
Debentures outstanding.....	63,315,360	69,363,792	70,456,844	72,429,684
Accounts payable.....	11,226,905	10,105,465	10,589,995	10,485,382
Other.....	4,207,237	6,175,200	6,565,031	7,146,524
Total liabilities.....	78,749,502	85,644,457	87,611,870	92,061,590
<b>RESERVES</b>				
Equity in Ontario Hydro Systems..	200,293,236	218,736,441	238,790,589	261,101,650
Other.....	5,558,849	3,507,375	2,864,918	2,920,005
Total reserves.....	205,952,085	222,243,816	241,655,507	264,021,655
<b>CAPITAL</b>				
Debentures redeemed.....	72,087,556	75,021,200	77,881,620	81,266,027
Local sinking fund.....	561,622	1,033,436	1,726,182	2,316,958
Accumulated net income invested in plant or held as working funds..	152,057,614	170,871,551	190,444,985	205,984,657
Contributed capital.....				
Frequency standardization expense charged this year.....	560,238	546,033	290,816	6,436
Total capital.....	224,146,554	246,380,154	270,343,603	289,561,206
<b>Total.....</b>	<b>508,848,141</b>	<b>554,268,427</b>	<b>599,610,980</b>	<b>645,644,451</b>
<b>B. OPERATING STATEMENTS</b>				
<b>REVENUE</b>				
Sales of electric energy.....	151,855,664	160,700,759	175,686,813	186,599,701
Other.....	1,580,224	1,723,986	2,400,070	2,720,870
<b>Total revenue.....</b>	<b>153,435,888</b>	<b>162,424,745</b>	<b>178,086,883</b>	<b>189,320,571</b>
<b>EXPENSE</b>				
Power purchased.....	92,682,089	98,563,451	111,160,867	122,634,361
Local generation.....	575,771	509,240	531,076	536,118
Operation and maintenance.....	14,362,587	15,544,060	17,065,080	18,273,164
Administration.....	12,086,583	13,654,386	14,954,828	15,766,246
Fixed charges—interest and principal	5,504,842	6,175,773	6,824,770	7,440,556
—depreciation.....	8,389,004	9,216,594	10,030,350	10,750,710
—other.....	53,525	13,060	14,316	22,506
<b>Total expense.....</b>	<b>133,654,401</b>	<b>143,676,564</b>	<b>160,581,287</b>	<b>175,423,661</b>
<b>Net income or net expense.....</b>	<b>19,781,487</b>	<b>18,748,181</b>	<b>17,505,596</b>	<b>13,896,910</b>
Number of customers.....	1,192,357	1,255,805	1,310,099	1,351,915

## CONSOLIDATED FINANCIAL STATEMENTS 1957-1966

1961	1962	1963	1964	1965	1966
354	355	355	357	360	358
\$ 457,392,623 100,165,249	\$ 488,393,074 109,914,757	\$ 523,032,765 120,564,846	\$ 564,408,772 133,554,046	\$ 607,675,682 148,250,022	\$ 654,128,175 164,122,993
357,227,374	378,478,317	402,467,919	430,854,726	459,425,660	490,005,182
15,105,454	18,063,961	19,175,569	22,394,390	29,195,624	12,138,312
14,672,152	16,984,376	16,225,459	13,290,755	9,749,732	19,530,448
14,190,953	15,807,380	15,572,525	16,566,500	18,398,616	9,515,323
					23,415,599
43,968,559	50,855,717	50,973,553	52,251,645	57,343,972	64,599,682
9,590,459	9,742,156	10,351,372	10,878,773	12,648,044	14,192,035
3,261,509	4,312,070	5,442,451	6,626,453	7,740,863	9,073,286
2,643,494	2,715,626	3,235,378	6,505,335	8,782,008	10,162,656
15,495,462	16,769,852	19,029,201	24,010,561	29,170,915	33,427,977
282,255,861	305,826,987	329,924,857	354,153,351	378,707,011	406,329,792
<b>698,947,256</b>	<b>751,930,873</b>	<b>802,395,530</b>	<b>861,270,283</b>	<b>924,647,558</b>	<b>994,362,633</b>
81,812,075	83,167,367	82,865,177	87,951,607	92,106,967	97,299,929
12,594,844	12,753,744	12,860,334	14,627,872	17,815,810	21,534,264
7,860,946	8,254,687	8,534,095	9,799,228	10,515,302	10,693,822
102,267,865	104,175,798	104,259,606	112,378,707	120,438,079	129,528,015
282,255,861	305,826,987	329,924,857	354,153,351	378,707,011	406,329,792
2,468,637	2,481,991	2,323,811	2,251,343	2,156,022	1,842,605
284,724,498	308,308,978	332,248,668	356,404,694	380,863,033	408,172,397
84,572,157	88,386,510	92,400,155	96,501,461	101,145,958	105,895,961
3,261,509	4,312,070	5,442,451	6,626,453	7,740,863	9,073,286
224,121,227	246,747,517	258,763,652	278,077,894	300,558,283	323,795,867
		9,280,998	11,281,074	13,901,342	17,897,107
311,954,893	339,446,097	365,887,256	392,486,882	423,346,446	456,662,221
<b>698,947,256</b>	<b>751,930,873</b>	<b>802,395,530</b>	<b>861,270,283</b>	<b>924,647,558</b>	<b>994,362,633</b>
201,891,409	216,412,017	230,166,226	247,890,291	272,214,069	292,499,953
3,274,114	4,439,792	5,324,613	6,108,283	7,176,496	8,640,589
<b>205,165,523</b>	<b>220,851,809</b>	<b>235,490,839</b>	<b>253,998,574</b>	<b>279,390,565</b>	<b>301,140,542</b>
130,857,200	139,291,682	152,433,112	167,184,292	184,480,710	201,058,552
529,955	570,500	572,079	564,536	571,767	612,063
19,486,528	20,760,837	21,989,333	23,527,954	21,920,862	23,123,145
17,342,308	18,482,105	19,550,879	20,367,906	21,816,697	23,762,160
8,203,772	8,912,277	9,135,950	9,678,755	10,222,785	11,045,582
11,466,692	11,655,654	12,557,510	13,486,318	17,744,672	19,352,182
81,734	73,080	76,738	26,460	78,450	92,300
<b>187,968,189</b>	<b>199,746,135</b>	<b>216,315,601</b>	<b>234,836,221</b>	<b>256,835,943</b>	<b>279,045,984</b>
<b>17,197,334</b>	<b>21,105,674</b>	<b>19,175,238</b>	<b>19,162,353</b>	<b>22,554,622</b>	<b>22,094,558</b>
1,423,427	1,460,553	1,497,857	1,552,238	1,595,343	1,630,255



## Municipal Electrical Utilities Financial

Municipality.....	Acton	Ailsa Craig	Ajax	Alexandria	Alfred	Alliston
Population.....	4,353	547	9,236	2,783	1,072	3,263
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost.....	\$ 570,795	\$ 60,448	\$ 1,239,417	\$ 372,028	\$ 97,161	\$ 334,743
Accumulated depreciation.....	109,192	7,613	388,018	117,830	33,131	92,489
Net fixed assets.....	461,603	52,835	851,399	254,198	64,030	242,254
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	78,791	14,752	57,841	13,097	19,339	30
Short-term investments.....			45,000			25,000
Investment in government securities	3,000		850	13,000		23,000
Accounts receivable (net).....	6,114	144	53,909	3,469	731	8,257
Total current assets.....	87,905	14,896	157,600	29,566	20,070	56,287
<b>OTHER ASSETS</b>						
Inventory of stores.....	1,425		27,051	15,181		4,786
Sinking fund on local debentures..						
Miscellaneous.....	1,194	232	5,926	253	518	343
Total other assets.....	2,619	232	32,977	15,434	518	5,129
Equity in Ontario Hydro Systems...	550,911	60,402	281,532	225,004	24,475	230,376
<b>Total.....</b>	<b>1,103,038</b>	<b>128,365</b>	<b>1,323,508</b>	<b>524,202</b>	<b>109,093</b>	<b>534,046</b>
<b>LIABILITIES</b>						
Debentures outstanding.....	43,100		350,000		20,500	
Accounts payable.....	11,100		7,015	6,386	354	2,225
Other.....	11,453	1,853	87,257	14,564	2,354	7,470
Total liabilities.....	65,653	1,853	444,272	20,950	23,208	9,695
<b>RESERVES</b>						
Equity in Ontario Hydro Systems..	550,911	60,402	281,532	225,004	24,475	230,376
Other.....						
Total reserves.....	550,911	60,402	281,532	225,004	24,475	230,376
<b>CAPITAL</b>						
Debentures redeemed.....	40,839	6,883	147,298	53,078	17,500	29,990
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds..	429,371	59,227	380,339	222,742	42,910	261,985
Contributed capital.....	16,264		70,067	2,428	1,000	2,000
Total capital.....	486,474	66,110	597,704	278,248	61,410	293,975
<b>Total.....</b>	<b>1,103,038</b>	<b>128,365</b>	<b>1,323,508</b>	<b>524,202</b>	<b>109,093</b>	<b>534,046</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	313,149	26,396	547,728	186,578	49,130	206,186
Other.....	8,162	211	15,030	7,707	594	7,653
<b>Total revenue.....</b>	<b>321,311</b>	<b>26,607</b>	<b>562,758</b>	<b>194,285</b>	<b>49,724</b>	<b>213,839</b>
<b>EXPENSE</b>						
Power purchased.....	209,071	17,476	374,373	131,304	33,630	130,087
Local generation.....						
Operation and maintenance.....	25,928	1,902	36,057	14,311	2,232	19,443
Administration.....	17,156	1,672	51,960	13,141	4,482	19,409
Fixed charges—interest and principal	6,146		38,926		2,997	
—depreciation.....	13,241	1,522	40,258	11,419	3,160	8,395
—other.....						
<b>Total expense.....</b>	<b>271,542</b>	<b>22,572</b>	<b>541,574</b>	<b>170,175</b>	<b>46,501</b>	<b>177,334</b>
<b>Net income or net expense.....</b>	<b>49,769</b>	<b>4,035</b>	<b>21,184</b>	<b>24,110</b>	<b>3,223</b>	<b>36,505</b>
Number of customers.....	1,358	231	2,701	1,019	348	1,182

## Statements for the Year Ended December 31, 1966

Almcnte	Alvinston	Amherst- burg	Ancaster Twp.	Apple Hill	Arkona	Arnprior	Arthur	Athens
3,518	641	4,443	14,888	325	397	5,334	1,270	1,003
\$ 543,222 128,170	\$ 83,833 28,629	\$ 557,347 150,708	\$ 318,668 84,646	\$ 28,743 10,207	\$ 52,764 18,375	\$ 604,467 135,143	\$ 151,493 39,282	\$ 79,468 20,619
415,052	55,204	406,639	234,022	18,536	34,389	469,324	112,211	58,849
20,833	4,236	25,391	12,108	8,834	14,887	36,505	5,367	3,577
13,000	4,000	27,948	59,000					
5,146	3,500	27,948			7,000	40,000	10,000	10,000
	972	4,349	10,120	619	1,634	4,103	1,196	1,597
38,979	12,708	57,688	81,228	9,453	23,521	80,608	16,563	15,174
5,544		29,442	289			3,795	304	
	135	1,542	1,291	150	45	4,991	424	
5,544	135	30,984	1,580	150	45	8,786	728	
118,899	64,581	443,049	205,756	17,591	47,169	375,544	106,405	54,454
<b>578,474</b>	<b>132,628</b>	<b>938,360</b>	<b>522,586</b>	<b>45,730</b>	<b>105,124</b>	<b>934,262</b>	<b>235,907</b>	<b>128,477</b>
		1,400	39,318			37,818	10,600	
10,450	269	3,579	2,077	88	638	7,045	11	104
2,459	155	4,297	2,855	37	20	10,466	849	456
12,909	424	9,276	44,250	125	658	55,329	11,460	560
118,899	64,581	443,049	205,756	17,591	47,169	375,544	106,405	54,454
						942		
118,899	64,581	443,049	205,756	17,591	47,169	376,486	106,405	54,454
72,000	23,529	66,879	88,928	5,080	13,113	107,426	25,314	12,988
373,187	42,933	419,156	183,652	22,934	44,184	383,897	92,728	59,861
1,479	1,161					11,124		614
446,666	67,623	486,035	272,580	28,014	57,297	502,447	118,042	73,463
<b>578,474</b>	<b>132,628</b>	<b>938,360</b>	<b>522,586</b>	<b>45,730</b>	<b>105,124</b>	<b>934,262</b>	<b>235,907</b>	<b>128,477</b>
159,970	24,460	269,690	175,774	8,580	20,406	326,585	61,182	30,055
1,734	394	3,774	4,712	240	576	11,398	735	481
<b>161,704</b>	<b>24,854</b>	<b>273,464</b>	<b>180,486</b>	<b>8,820</b>	<b>20,982</b>	<b>337,983</b>	<b>61,917</b>	<b>30,536</b>
87,215	9,875	175,226	115,400	4,379	17,534	249,949	37,635	22,390
19,321								
12,348	2,235	19,602	10,764	665	1,236	18,084	7,731	1,579
19,171	4,731	31,018	14,635	1,436	1,313	22,488	4,899	2,253
		1,554	6,456			5,391	1,062	
13,146	2,775	13,619	9,256	963	1,718	21,099	4,363	2,324
<b>151,201</b>	<b>19,616</b>	<b>241,019</b>	<b>156,511</b>	<b>7,443</b>	<b>21,801</b>	<b>317,011</b>	<b>55,690</b>	<b>28,546</b>
<b>10,503</b>	<b>5,238</b>	<b>32,445</b>	<b>23,975</b>	<b>1,377</b>	<b>819</b>	<b>20,972</b>	<b>6,227</b>	<b>1,990</b>
1,215	341	1,469	1,153	116	200	1,881	520	366

## Municipal Electrical Utilities Financial

Municipality.....	Atikokan Twp.	Aurora	Avonmore	Aylmer	Ayr	Baden
Population.....	6,504	10,137	229	4,556	1,134	943
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	678,359	847,960	29,896	505,644	114,378	105,753
Accumulated depreciation.....	200,000	233,254	11,254	176,741	23,458	27,046
Net fixed assets.....	478,359	614,706	18,642	328,903	90,920	78,707
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	14,879	52,917	4,744	56,556	50	12,646
Short-term investments.....	25,000	214,000				
Investment in government securities	25,000				9,500	
Accounts receivable (net).....	8,676	15,403	1,052	5,376	897	476
Total current assets.....	73,555	282,320	5,796	61,932	10,447	13,122
<b>OTHER ASSETS</b>						
Inventory of stores.....	10,125	761		551	48	170
Sinking fund on local debentures.....						
Miscellaneous.....	15,404	5,261	527	822	3,800	106
Total other assets.....	25,529	6,022	527	1,373	3,848	276
Equity in Ontario Hydro Systems.....	195,982	370,818	9,720	427,846	97,315	140,625
<b>Total.....</b>	<b>773,425</b>	<b>1,273,866</b>	<b>34,685</b>	<b>820,054</b>	<b>202,530</b>	<b>232,730</b>
<b>LIABILITIES</b>						
Debentures outstanding.....	248,000	189,000	10,500	22,000		
Accounts payable.....	7,389	5,742	278	373	4,688	48
Other.....	39,738	17,607	359	3,418	966	320
Total liabilities.....	295,127	212,349	11,137	25,791	5,654	368
<b>RESERVES</b>						
Equity in Ontario Hydro Systems..	195,982	370,818	9,720	427,846	97,315	140,625
Other.....						
Total reserves.....	195,982	370,818	9,720	427,846	97,315	140,625
<b>CAPITAL</b>						
Debentures redeemed.....	152,000	34,443	3,500	66,702	17,503	5,000
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds.	111,492	635,915	10,328	282,760	81,394	86,737
Contributed capital.....	18,824	20,341		16,955	664	
Total capital.....	282,316	690,699	13,828	366,417	99,561	91,737
<b>Total.....</b>	<b>773,425</b>	<b>1,273,866</b>	<b>34,685</b>	<b>820,054</b>	<b>202,530</b>	<b>232,730</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	277,122	448,167	13,639	272,110	58,386	51,508
Other.....	13,005	28,932	126	2,945	976	317
<b>Total revenue.....</b>	<b>290,127</b>	<b>477,099</b>	<b>13,765</b>	<b>275,055</b>	<b>59,362</b>	<b>51,825</b>
<b>EXPENSE</b>						
Power purchased.....	166,774	309,795	7,580	199,282	35,602	36,972
Local generation.....						
Operation and maintenance.....	35,558	22,092	1,666	20,749	5,965	2,473
Administration.....	45,391	38,906	1,253	14,932	5,022	4,383
Fixed charges—interest and principal	34,805	19,996	1,096	4,966		
—depreciation.....	25,187	27,162	1,015	14,157	3,227	3,420
—other.....						
<b>Total expense.....</b>	<b>307,715</b>	<b>417,951</b>	<b>12,610</b>	<b>254,086</b>	<b>49,816</b>	<b>47,248</b>
<b>Net income or net expense.....</b>	<b>17,588</b>	<b>59,148</b>	<b>1,155</b>	<b>20,969</b>	<b>9,546</b>	<b>4,577</b>
Number of customers.....	1,804	2,999	114	1,588	412	304



Statements for the Year Ended December 31, 1966

Bancroft	Barrie	Barry's Bay	Bath	Beachburg	Beachville	Beamsville	Beaverton	Beeton
2,129	24,417	1,382	750	518	933	3,802	1,227	965
\$ 407,857 119,561	\$ 2,858,379 890,762	\$ 114,029 21,345	\$ 85,800 22,543	\$ 71,950 25,804	\$ 127,263 50,674	\$ 313,263 96,995	\$ 190,868 43,319	\$ 79,078 16,477
288,296	1,967,617	92,684	63,257	46,146	76,589	216,268	147,549	62,601
33,722	150	5,664	26,163	13,551	33,246	23,736	4,180	10,641
.....	.....	.....	.....	.....	.....	.....	.....	.....
13,045	43,404	2,046	605	282	62,552 804	10,000 1,749	16,000 672	1,333
46,767	43,554	7,710	26,768	13,833	96,602	25,485	14,852	27,974
600	51,047	.....	.....	.....	23	.....	186	119
1,263	8,406	.....	.....	1,465	.....	708	.....	.....
1,863	59,453	.....	.....	1,465	23	708	186	119
81,038	1,598,600	28,265	31,182	19,272	264,986	156,573	132,483	79,212
417,964	3,669,224	128,659	121,207	80,716	438,200	399,034	295,070	169,906
37,000	153,000	.....	5,000	42,100	.....	.....	.....	.....
230	52,435	4,213	1,761	209	360	3,194	5	32
2,968	26,953	160	803	50	735	2,436	1,190	1,074
40,198	232,388	4,373	7,564	42,359	1,095	5,630	1,195	1,106
81,038	1,598,600	28,265	31,182	19,272	264,986	156,573	132,483	79,212
.....	.....	.....	.....	.....	.....	.....	.....	.....
81,038	1,598,600	28,265	31,182	19,272	264,986	156,573	132,483	79,212
95,500	72,366	7,500	12,500	9,900	5,537	37,500	12,839	13,610
.....	.....	.....	.....	.....	.....	.....	.....	.....
191,843	1,765,870	88,244	61,772	9,185	164,972	199,331	148,553	75,978
9,385	.....	277	8,189	.....	1,610	.....	.....	.....
296,728	1,838,236	96,021	82,461	19,085	172,119	236,831	161,392	89,588
417,964	3,669,224	128,659	121,207	80,716	438,200	399,034	295,070	169,906
104,505	1,348,442	37,513	30,489	27,597	118,870	150,119	87,288	34,392
4,324	28,781	333	480	279	4,535	5,332	875	1,650
108,829	1,377,223	37,846	30,969	27,876	123,405	155,451	88,163	36,042
54,472	995,508	25,227	17,486	16,136	109,597	86,834	58,872	23,416
4,553	.....	.....	.....	.....	.....	.....	.....	.....
8,003	119,216	1,599	1,646	1,313	2,251	8,594	7,114	2,379
13,020	109,873	3,941	2,435	2,127	3,690	11,103	5,731	2,609
8,940	17,029	.....	803	4,593	.....	.....	.....	.....
13,591	98,475	3,162	2,648	2,366	4,758	12,497	5,367	2,917
.....	.....	.....	.....	.....	.....	.....	.....	.....
102,579	1,340,101	33,929	25,018	26,535	120,296	119,028	77,084	31,321
6,250	37,122	3,917	5,951	1,341	3,109	36,423	11,079	4,721
789	8,339	449	266	222	323	1,281	631	341

## Municipal Electrical Utilities Financial

Municipality.....	Belle River 2,203	Belleville 32,954	Belmont 724	Blenheim 3,203	Bloomfield 723	Blyth 740
Population.....						
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Plant and facilities at cost.....	184,885	3,795,374	79,756	408,706	66,954	98,456
Accumulated depreciation.....	37,079	908,419	23,187	104,030	28,285	27,651
Net fixed assets.....	147,806	2,886,955	56,569	304,676	38,669	70,805
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	2,025	34,502	19,113	8,735	11,912	2,199
Short-term investments.....		250,000		14,621		
Investment in government securities	7,000		9,650		5,993	9,458
Accounts receivable (net).....	1,585	96,975	457	4,826	265	212
Total current assets.....	10,610	381,477	29,220	28,182	18,170	11,869
<b>OTHER ASSETS</b>						
Inventory of stores.....	1,259	44,394		2,470	150	29
Sinking fund on local debentures...						
Miscellaneous.....		16,546	4,764	262		
Total other assets.....	1,259	60,940	4,764	2,732	150	29
Equity in Ontario Hydro Systems....	94,048	2,141,741	23,386	223,543	56,540	84,954
<b>Total.....</b>	<b>253,723</b>	<b>5,471,113</b>	<b>113,939</b>	<b>559,133</b>	<b>113,529</b>	<b>167,657</b>
<b>LIABILITIES</b>						
Debentures outstanding.....		779,000	50,500	17,990		
Accounts payable.....	6,155	17,717	61	284	431	82
Other.....	1,036	82,138	1,815	8,430	580	180
Total liabilities.....	7,191	878,855	52,376	26,704	1,011	262
<b>RESERVES</b>						
Equity in Ontario Hydro Systems..	94,048	2,141,741	23,386	223,543	56,540	84,954
Other.....						
Total reserves.....	94,048	2,141,741	23,386	223,543	56,540	84,954
<b>CAPITAL</b>						
Debentures redeemed.....	19,555	250,997	3,659	80,470	9,796	16,033
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds..	132,929	2,186,224	32,697	228,416	46,182	66,408
Contributed capital.....		13,296	1,821			
Total capital.....	152,484	2,450,517	38,177	308,886	55,978	82,441
<b>Total.....</b>	<b>253,723</b>	<b>5,471,113</b>	<b>113,939</b>	<b>559,133</b>	<b>113,529</b>	<b>167,657</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	82,945	1,687,804	68,697	150,967	27,801	48,411
Other.....	1,417	87,309	2,406	1,971	459	1,133
<b>Total revenue.....</b>	<b>84,362</b>	<b>1,775,113</b>	<b>71,103</b>	<b>152,938</b>	<b>28,260</b>	<b>49,544</b>
<b>EXPENSE</b>						
Power purchased.....	42,909	1,052,057	50,298	85,380	17,532	32,673
Local generation.....						
Operation and maintenance.....	8,812	114,864	1,533	14,472	2,177	4,450
Administration.....	9,144	162,241	3,596	25,466	3,518	2,452
Fixed charges—interest and principal		66,522	4,638	5,959		
—depreciation.....	5,452	110,464	3,399	11,415	2,242	3,235
—other.....						
<b>Total expense.....</b>	<b>66,317</b>	<b>1,506,148</b>	<b>63,464</b>	<b>142,692</b>	<b>25,469</b>	<b>42,810</b>
<b>Net income or net expense.....</b>	<b>18,045</b>	<b>268,965</b>	<b>7,639</b>	<b>10,246</b>	<b>2,791</b>	<b>6,734</b>
Number of customers.....	807	11,212	244	1,250	300	340

## Statements for the Year Ended December 31, 1966

Bobcaygeon	Bolton	Bothwell	Bowman- ville	Bracebridge	Bradford	Braeside	Brampton	Brantford
1,312	2,233	826	8,252	3,044	2,450	521	34,936	58,395
\$ 277,654 88,361	\$ 222,246 60,535	\$ 97,094 34,988	\$ 958,522 376,767	\$ 947,691 274,720	\$ 362,220 95,520	\$ 46,400 8,006	\$ 5,331,769 857,205	\$ 6,764,319 1,840,766
189,293	161,711	62,106	581,755	672,971	266,700	38,394	4,474,564	4,923,553
6,634	10,280	13,503	57,389	9,945	1,200	13,137	46,332	375
.....	.....	.....	59,452	19,625	.....	15,000	.....	32,000
1,616	12,278	974	10,069	30,382	13,077	6,732	166,807	62,099
8,250	22,558	14,477	126,910	59,952	14,277	34,869	213,139	94,474
4,901	719	123	20,963	7,950	7,440	.....	138,899	147,957
3,890	1,611	.....	727	16,654	12,062	.....	38,639	15,898
8,791	2,330	123	21,690	24,604	19,502	.....	177,538	163,855
58,436	116,720	69,624	751,812	9,859	177,697	68,526	1,374,858	6,177,524
<b>264,770</b>	<b>303,319</b>	<b>146,330</b>	<b>1,482,167</b>	<b>767,386</b>	<b>478,176</b>	<b>141,789</b>	<b>6,240,099</b>	<b>11,359,406</b>
71,500	48,971	.....	.....	133,571	.....	.....	2,095,000	276,302
1,772	2,996	778	5,065	.....	3,500	142	399,921	102,479
7,446	4,111	108	5,306	30	3,229	205	336,581	103,912
80,718	56,078	886	10,371	133,601	6,729	347	2,831,502	482,693
58,436	116,720	69,624	751,812	9,859	177,697	68,526	1,374,858	6,177,524
.....	.....	.....	.....	.....	.....	.....	.....	.....
58,436	116,720	69,624	751,812	9,859	177,697	68,526	1,374,858	6,177,524
17,500	32,657	5,534	71,000	372,229	23,351	6,000	406,951	1,168,381
.....	.....	.....	.....	.....	.....	.....	.....	.....
104,992	93,667	70,136	647,544	251,697	270,399	66,916	1,574,243	3,405,800
3,124	4,197	150	1,440	.....	.....	.....	52,545	125,008
125,616	130,521	75,820	719,984	623,926	293,750	72,916	2,033,739	4,699,189
<b>264,770</b>	<b>303,319</b>	<b>146,330</b>	<b>1,482,167</b>	<b>767,386</b>	<b>478,176</b>	<b>141,789</b>	<b>6,240,099</b>	<b>11,359,406</b>
88,733	114,872	36,910	484,486	178,792	142,710	77,806	2,046,064	3,052,146
1,656	3,378	1,706	19,432	5,673	3,663	1,640	5,740	45,090
<b>90,389</b>	<b>118,250</b>	<b>38,616</b>	<b>503,918</b>	<b>184,465</b>	<b>146,373</b>	<b>79,446</b>	<b>2,051,804</b>	<b>3,097,236</b>
46,531	70,774	21,167	373,448	26,288	91,999	72,421	1,279,241	2,386,265
.....	.....	.....	.....	40,702	.....	.....	.....	.....
8,506	9,995	1,699	27,539	22,542	11,460	666	89,003	199,061
10,176	19,127	5,771	25,484	17,501	16,671	1,857	116,300	174,799
8,352	5,818	.....	.....	29,320	.....	.....	219,306	54,056
9,245	8,183	3,369	38,082	25,300	11,898	1,563	157,657	189,959
.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>82,810</b>	<b>113,897</b>	<b>32,006</b>	<b>464,553</b>	<b>161,653</b>	<b>132,028</b>	<b>76,507</b>	<b>1,861,507</b>	<b>3,004,140</b>
<b>7,579</b>	<b>4,353</b>	<b>6,610</b>	<b>39,365</b>	<b>22,812</b>	<b>14,345</b>	<b>2,939</b>	<b>190,297</b>	<b>93,096</b>
767	706	342	2,774	1,286	917	165	9,087	19,034



## Municipal Electrical Utilities Financial

Municipality.....	Brantford Twp.	Brechin	Bridgeport	Brigden	Brighton	Brockville
Population.....	8,851	268	2,030	516	2,752	19,267
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	1,459,778	23,817	133,893	62,983	295,854	2,654,046
Accumulated depreciation.....	424,290	6,451	37,864	17,389	58,495	614,063
Net fixed assets.....	1,035,488	17,366	96,029	45,594	237,359	2,039,983
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	68,427	3,460	20,109	8,288	6,775	14,347
Short-term investments.....	50,000					
Investment in government securities.....		9,500		5,393		12,000
Accounts receivable (net).....	4,276	168	1,123	538	3,446	55,125
Total current assets.....	122,703	13,128	21,232	14,219	10,221	81,472
<b>OTHER ASSETS</b>						
Inventory of stores.....	34,870		272		10,615	55,536
Sinking fund on local debentures.....						
Miscellaneous.....	1,497		102		3,529	8,410
Total other assets.....	36,367		374		14,144	63,946
Equity in Ontario Hydro Systems.....	435,015	24,609	85,826	50,068	155,442	1,641,112
<b>Total.....</b>	<b>1,629,573</b>	<b>55,103</b>	<b>203,461</b>	<b>109,881</b>	<b>417,166</b>	<b>3,826,513</b>
<b>LIABILITIES</b>						
Debentures outstanding.....	338,057		18,167		30,900	487,000
Accounts payable.....	1,144	2	2,397	589	1,737	96,881
Other.....	25,380	241	3,286	216	3,614	30,864
Total liabilities.....	364,581	243	23,850	805	36,251	614,745
<b>RESERVES</b>						
Equity in Ontario Hydro Systems..	435,015	24,609	85,826	50,068	155,442	1,641,112
Other.....						
Total reserves.....	435,015	24,609	85,826	50,068	155,442	1,641,112
<b>CAPITAL</b>						
Debentures redeemed.....	217,300	2,664	21,483	8,000	34,100	343,570
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds.....	586,784	27,587	72,302	51,008	177,270	1,222,779
Contributed capital.....	25,893				14,103	4,307
Total capital.....	829,977	30,251	93,785	59,008	225,473	1,570,656
<b>Total.....</b>	<b>1,629,573</b>	<b>55,103</b>	<b>203,461</b>	<b>109,881</b>	<b>417,166</b>	<b>3,826,513</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	610,120	8,795	90,026	19,197	121,714	1,145,707
Other.....	9,013	389	560	534	1,991	47,275
<b>Total revenue.....</b>	<b>619,133</b>	<b>9,184</b>	<b>90,586</b>	<b>19,731</b>	<b>123,705</b>	<b>1,192,982</b>
<b>EXPENSE</b>						
Power purchased.....	393,736	5,997	57,964	10,358	78,467	798,943
Local generation.....						
Operation and maintenance.....	49,344	818	3,685	1,346	10,852	74,290
Administration.....	34,895	984	10,796	2,369	11,676	109,968
Fixed charges—interest and principal	42,268		2,605		3,550	69,313
—depreciation.....	45,247	718	3,971	1,829	8,057	83,953
—other.....						
<b>Total expense.....</b>	<b>565,490</b>	<b>8,517</b>	<b>79,021</b>	<b>15,902</b>	<b>112,602</b>	<b>1,136,467</b>
<b>Net income or net expense.....</b>	<b>53,643</b>	<b>667</b>	<b>11,565</b>	<b>3,829</b>	<b>11,103</b>	<b>56,515</b>
Number of customers.....	2,662	100	567	217	1,068	6,665

## Statements for the Year Ended December 31, 1966

Brussels	Burford	Burgessville	Burk's Falls	Burlington	Cache Bay	Caledonia	Campbell- ford	Campbell- ville
842	1,078	292	1,070	65,376	623	2,723	3,382	252
\$ 105,152 12,864	\$ 125,231 41,811	\$ 35,312 11,171	\$ 91,103 22,299	\$ 7,034,217 1,401,090	\$ 59,663 21,465	\$ 223,776 64,746	\$ 801,983 223,286	\$ 24,722 6,576
92,288	83,420	24,141	68,804	5,633,127	38,198	159,030	578,697	18,146
9,875	5,280	5,732	9,686	1,615	8,639	20,267	9,683	3,493
.....	.....	.....	.....	205,000	.....	.....	90,000	.....
.....	3,500	1,500	11,690	35,000	21,000	.....	.....	2,449
2,553	392	689	3,442	137,915	2,141	2,184	6,379	745
12,428	9,172	7,921	24,818	379,530	31,780	22,451	106,062	6,687
173	71	.....	.....	142,125	490	1,509	19,842	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	248	.....	.....	81,150	1,491	146	3,003	692
173	319	.....	.....	223,275	1,981	1,655	22,845	692
94,885	97,554	29,449	43,110	1,700,146	12,443	142,764	27,407	22,000
<b>199,774</b>	<b>190,465</b>	<b>61,511</b>	<b>136,732</b>	<b>7,936,078</b>	<b>84,402</b>	<b>325,900</b>	<b>735,011</b>	<b>47,525</b>
2,000	6,846	.....	.....	1,759,700	.....	.....	124,100	.....
2,929	512	474	142	133,740	455	2,026	4,161	140
1,117	1,531	300	273	326,149	90	1,775	10,082	50
6,046	8,889	774	415	2,219,589	545	3,801	138,343	190
94,885	97,554	29,449	43,110	1,700,146	12,443	142,764	27,407	22,000
.....	.....	.....	.....	.....	.....	.....	.....	.....
94,885	97,554	29,449	43,110	1,700,146	12,443	142,764	27,407	22,000
26,000	14,008	3,500	29,147	754,891	25,359	15,525	28,400	5,448
.....	.....	.....	.....	.....	.....	.....	.....	.....
72,843	70,014	27,788	64,060	3,074,617	46,055	163,810	540,861	19,887
.....	.....	.....	.....	186,835	.....	.....	.....	.....
98,843	84,022	31,288	93,207	4,016,343	71,414	179,335	569,261	25,335
<b>199,774</b>	<b>190,465</b>	<b>61,511</b>	<b>136,732</b>	<b>7,936,078</b>	<b>84,402</b>	<b>325,900</b>	<b>735,011</b>	<b>47,525</b>
46,149	55,199	14,653	51,833	3,269,824	12,091	94,589	137,030	11,594
402	2,830	402	644	96,527	1,384	1,403	11,419	500
<b>46,551</b>	<b>58,029</b>	<b>15,055</b>	<b>52,477</b>	<b>3,366,351</b>	<b>13,475</b>	<b>95,992</b>	<b>148,449</b>	<b>12,094</b>
26,906	37,949	9,422	34,964	2,150,175	8,811	57,014	52,935	7,046
.....	.....	.....	.....	.....	.....	.....	20,512	.....
2,881	6,444	1,415	4,333	179,681	1,332	10,143	10,490	633
3,953	5,411	759	4,368	200,965	2,744	10,772	33,604	974
1,133	1,219	.....	.....	212,158	.....	.....	13,422	.....
3,011	4,967	1,266	2,736	202,646	2,021	7,117	18,787	952
.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>37,884</b>	<b>55,990</b>	<b>12,862</b>	<b>46,401</b>	<b>2,945,625</b>	<b>14,908</b>	<b>85,046</b>	<b>149,750</b>	<b>9,605</b>
<b>8,667</b>	<b>2,039</b>	<b>2,193</b>	<b>6,076</b>	<b>420,726</b>	<b>1,433</b>	<b>10,946</b>	<b>1,301</b>	<b>2,489</b>
390	447	105	375	18,002	175	930	1,360	89

## Municipal Electrical Utilities Financial

Municipality.....	Cannington	Capreol	Cardinal	Carleton Place	Casselman	Cayuga
Population.....	1,027	3,098	1,948	4,917	1,295	1,016
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	104,463	323,994	103,194	445,180	110,021	120,021
Accumulated depreciation.....	25,225	60,980	27,113	100,999	26,656	36,215
Net fixed assets.....	79,238	263,014	76,081	344,181	83,365	83,806
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	12,419	15,842	3,189	10,355	5,634	12,857
Short-term investments.....					20,000	
Investment in government securities	8,500		1,500	15,100	14,000	6,000
Accounts receivable (net).....	2,123	740	2,521	9,271	3,081	739
Total current assets.....	23,042	16,582	7,210	34,726	42,715	19,596
<b>OTHER ASSETS</b>						
Inventory of stores.....				10,076		494
Sinking fund on local debentures...						
Miscellaneous.....	4,020	6,756	489	248	5,264	
Total other assets.....	4,020	6,756	489	10,324	5,264	494
Equity in Ontario Hydro Systems....	88,805	52,302	100,259	536,515	42,553	68,206
<b>Total.....</b>	<b>195,105</b>	<b>338,654</b>	<b>184,039</b>	<b>925,746</b>	<b>173,897</b>	<b>172,102</b>
<b>LIABILITIES</b>						
Debentures outstanding.....		60,200		38,900	27,500	
Accounts payable.....	439	480	3,230		426	369
Other.....	695	7,673	570	5,086	1,663	847
Total liabilities.....	1,134	68,353	3,800	43,986	29,559	1,216
<b>RESERVES</b>						
Equity in Ontario Hydro Systems...	88,805	52,302	100,259	536,515	42,553	68,206
Other.....						
Total reserves.....	88,805	52,302	100,259	536,515	42,553	68,206
<b>CAPITAL</b>						
Debentures redeemed.....	14,532	61,800	11,014	69,397	42,500	20,000
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds..	90,634	153,583	68,966	259,349	58,855	82,680
Contributed capital.....		2,616		16,499	400	
Total capital.....	105,166	217,999	79,980	345,245	101,755	102,680
<b>Total.....</b>	<b>195,105</b>	<b>338,654</b>	<b>184,039</b>	<b>925,746</b>	<b>173,897</b>	<b>172,102</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	46,307	141,752	53,515	242,588	55,415	49,183
Other.....	842	713	1,021	1,638	2,329	875
<b>Total revenue.....</b>	<b>47,149</b>	<b>142,465</b>	<b>54,536</b>	<b>244,226</b>	<b>57,744</b>	<b>50,058</b>
<b>EXPENSE</b>						
Power purchased.....	29,679	84,691	37,227	126,033	35,249	25,768
Local generation.....						
Operation and maintenance.....	1,898	7,581	4,468	22,930	1,378	4,836
Administration.....	3,772	16,165	5,504	31,125	5,574	5,854
Fixed charges—interest and principal		8,719		6,105	5,981	
—depreciation.....	3,476	8,140	3,001	11,705	3,083	3,818
—other.....						
<b>Total expense.....</b>	<b>38,825</b>	<b>125,296</b>	<b>50,200</b>	<b>197,898</b>	<b>51,265</b>	<b>40,276</b>
<b>Net income or net expense.....</b>	<b>8,324</b>	<b>17,169</b>	<b>4,336</b>	<b>46,328</b>	<b>6,479</b>	<b>9,782</b>
Number of customers.....	457	1,016	684	1,828	405	412



Statements for the Year Ended December 31, 1966

Chalk River 1,060	Chapleau Twp. 3,867	Chatham 31,479	Chatsworth 386	Chesley 1,700	Chesterville 1,315	Chippawa 3,845	Clifford 522	Clinton 3,196
\$ 86,854 27,071	\$ 226,709 4,265	\$ 4,083,765 1,126,230	\$ 31,647 11,476	\$ 136,679 55,358	\$ 123,120 32,231	\$ 303,760 70,427	\$ 59,516 17,942	\$ 439,842 124,475
59,783	222,444	2,957,535	20,171	81,321	90,889	233,333	41,574	315,367
1,386	22,937	17,774	12,912	15	23,865	24,929	9,886	50,616
.....	.....	200,000	.....	.....	.....	.....	10,000	.....
.....	.....	140,000	13,838	43,945	6,000	.....	3,000	.....
312	9,206	264,615	728	4,500	864	5,160	260	9,269
1,698	32,143	622,389	27,478	48,460	30,729	30,089	23,146	59,885
.....	1,456	145,460	.....	688	.....	1,445	.....	6,708
2,633	18,519	51,727	.....	3,562	400	528	.....	467
2,633	19,975	197,187	.....	4,250	400	1,973	.....	7,175
27,394	1,827	2,590,006	36,069	205,743	162,981	131,161	54,828	298,109
91,508	276,389	6,367,117	83,718	339,774	284,999	396,556	119,548	680,536
35,000	66,000	305,109	.....	.....	.....	45,500	3,812	28,000
319	23,028	108,507	.....	1,300	758	298	1,704	15,238
532	8,331	43,629	268	680	391	4,946	331	11,029
35,851	97,359	457,245	268	1,980	1,149	50,744	5,847	54,267
27,394	1,827	2,590,006	36,069	205,743	162,981	131,161	54,828	298,109
.....	.....	.....	.....	.....	.....	.....	.....	.....
27,394	1,827	2,590,006	36,069	205,743	162,981	131,161	54,828	298,109
20,000	49,000	1,214,891	5,014	24,410	5,889	32,850	11,117	93,673
.....	.....	.....	.....	.....	.....	.....	.....	.....
8,263	121,024	2,104,975	42,367	107,641	114,980	169,187	47,756	223,018
.....	7,179	.....	.....	.....	.....	12,614	.....	11,469
28,263	177,203	3,319,866	47,381	132,051	120,869	214,651	58,873	328,160
91 508	276,389	6,367,117	83,718	339,774	284,999	396,556	119,548	680,536
34,749	148,355	2,248,230	18,700	69,360	84,107	119,763	25,704	173,626
384	2,677	40,028	603	3,669	831	689	1,433	6,891
35,133	151,032	2,288,258	19,303	73,029	84,938	120,452	27,137	180,517
23,956	60,154	1,235,734	11,747	53,352	63,003	69,523	16,875	105,692
.....	.....	.....	.....	.....	.....	.....	.....	.....
1,943	22,558	416,372	460	9,050	3,325	11,544	787	16,070
2,499	22,035	263,415	1,872	11,098	7,037	9,701	1,707	18,581
4,563	9,175	79,347	.....	.....	.....	6,836	568	7,472
2,631	5,365	100,249	1,123	4,804	3,699	8,280	2,183	13,812
.....	.....	.....	.....	.....	.....	.....	.....	.....
35,592	119,287	2,095,117	15,202	78,304	77,064	105,884	22,120	161,627
459	31,745	193,141	4,101	5,275	7,874	14,568	5,017	18,890
273	1,094	10,463	190	768	461	1,190	235	1,272

## Municipal Electrical Utilities Financial

Municipality.....	Cobden	Cobourg	Cochrane	Colborne	Coldwater	Collingwood
Population.....	891	10,386	4,711	1,501	684	8,229
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	82,386	1,329,935	595,635	153,718	65,622	958,538
Accumulated depreciation.....	22,210	426,725	131,318	24,224	16,137	200,234
Net fixed assets.....	60,176	903,210	464,317	129,494	49,485	758,304
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	11,643	35,397	11,345	1,348	5,410	2,460
Short-term investments.....		25,000				
Investment in government securities	6,000	10,000			22,500	30,000
Accounts receivable (net).....	481	19,990	9,251	12,004	2,230	9,785
Total current assets.....	18,124	90,387	20,596	13,352	30,140	42,245
<b>OTHER ASSETS</b>						
Inventory of stores.....		18,450	27,935	16,166		21,673
Sinking fund on local debentures.....						
Miscellaneous.....	579	3,129	12,689	215	1,200	2,664
Total other assets.....	579	21,579	40,624	16,381	1,200	24,337
Equity in Ontario Hydro Systems.....	53,078	886,940	66,420	89,598	75,773	815,455
<b>Total.....</b>	<b>131,957</b>	<b>1,902,116</b>	<b>591,957</b>	<b>248,825</b>	<b>156,598</b>	<b>1,640,341</b>
<b>LIABILITIES</b>						
Debentures outstanding.....			49,500			
Accounts payable.....	348	3,092	5,847	1,661	1,627	17,406
Other.....	539	15,532	22,452	2,106	380	77,350
Total liabilities.....	887	18,624	77,799	3,767	2,007	94,756
<b>RESERVES</b>						
Equity in Ontario Hydro Systems..	53,078	886,940	66,420	89,598	75,773	815,455
Other.....						
Total reserves.....	53,078	886,940	66,420	89,598	75,773	815,455
<b>CAPITAL</b>						
Debentures redeemed.....	4,949	105,993	95,500	12,195	6,867	38,183
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds..	73,043	888,024	352,238	142,665	71,951	684,523
Contributed capital.....		2,535		600		7,424
Total capital.....	77,992	996,552	447,738	155,460	78,818	730,130
<b>Total.....</b>	<b>131,957</b>	<b>1,902,116</b>	<b>591,957</b>	<b>248,825</b>	<b>156,598</b>	<b>1,640,341</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	38,606	659,560	227,190	82,054	34,977	430,718
Other.....	235	21,817	7,220	1,552	1,063	8,452
<b>Total revenue.....</b>	<b>38,841</b>	<b>681,377</b>	<b>234,410</b>	<b>83,606</b>	<b>36,040</b>	<b>439,170</b>
<b>EXPENSE</b>						
Power purchased.....	29,499	531,041	140,109	47,764	24,615	306,966
Local generation.....						
Operation and maintenance.....	2,501	35,769	32,926	7,687	4,699	36,367
Administration.....	3,415	55,924	32,417	11,208	3,228	36,587
Fixed charges—interest and principal			9,997			
—depreciation.....	2,421	48,081	15,500	3,435	1,918	24,099
—other.....						
<b>Total expense.....</b>	<b>37,836</b>	<b>670,815</b>	<b>230,949</b>	<b>70,094</b>	<b>34,460</b>	<b>404,019</b>
<b>Net income or net expense.....</b>	<b>1,005</b>	<b>10,562</b>	<b>3,461</b>	<b>13,512</b>	<b>1,580</b>	<b>35,151</b>
Number of customers.....	401	3,884	1,424	617	299	3,437

## Statements for the Year Ended December 31, 1966

Comber 605	Coniston 2,608	Cookstown 709	Cottam 680	Courtright 598	Creemore 807	Dashwood 408	Deep River 5,728	Delaware 429
\$ 84,114 24,168	\$ 155,143 26,153	\$ 60,080 18,352	\$ 64,317 24,639	\$ 44,452 9,652	\$ 88,607 15,211	\$ 42,637 7,628	\$ 749,592 210,303	\$ 37,605 13,985
59,946	128,990	41,728	39,678	34,800	73,396	35,009	539,289	23,620
20,405	8,577	13,218	5,522	7,378	8,365	22,258	6,029	15,643
.....	.....	.....	.....	.....	.....	.....	9,812	.....
.....	.....	6,021	11,000	.....	5,000	.....	60,000	.....
8,834	918	1,598	1,060	302	1,135	243	6,790	25
29,239	9,495	20,837	17,582	7,680	14,500	22,501	82,631	15,668
.....	819	42	.....	25	357	.....	11,098	.....
.....	17,435	1,000	.....	446	.....	.....	9,896	.....
.....	18,254	1,042	.....	471	357	.....	20,994	.....
69,208	24,868	43,525	36,966	31,364	68,555	48,334	134,134	29,110
<b>158,393</b>	<b>181,607</b>	<b>107,132</b>	<b>94,226</b>	<b>74,315</b>	<b>156,808</b>	<b>105,844</b>	<b>777,048</b>	<b>68,398</b>
.....	30,500	.....	.....	.....	.....	.....	167,450	.....
18,571	2,031	1,298	255	202	435	.....	2,260	14
180	10,092	881	436	540	680	.....	12,106	160
18,751	42,623	2,179	691	742	1,115	.....	181,816	174
69,208	24,868	43,525	36,966	31,364	68,555	48,334	134,134	29,110
.....	.....	.....	.....	.....	.....	.....	.....	.....
69,208	24,868	43,525	36,966	31,364	68,555	48,334	134,134	29,110
12,489	19,500	12,001	13,892	8,138	2,824	3,400	63,550	4,000
.....	.....	.....	.....	.....	.....	.....	.....	.....
57,945	94,616	49,427	42,677	30,787	84,314	54,110	131,725	34,756
.....	.....	.....	.....	3,284	.....	.....	265,823	358
70,434	114,116	61,428	56,569	42,209	87,138	57,510	461,098	39,114
<b>158,393</b>	<b>181,607</b>	<b>107,132</b>	<b>94,226</b>	<b>74,315</b>	<b>156,808</b>	<b>105,844</b>	<b>777,048</b>	<b>68,398</b>
26,703	76,622	24,523	23,459	21,180	34,113	27,642	271,032	18,277
769	786	595	908	87	670	3	10,062	1,057
<b>27,472</b>	<b>77,408</b>	<b>25,118</b>	<b>24,367</b>	<b>21,267</b>	<b>34,783</b>	<b>27,645</b>	<b>281,094</b>	<b>19,334</b>
12,815	50,821	18,230	12,876	9,839	24,691	14,760	188,393	10,957
.....	.....	.....	.....	.....	.....	.....	.....	.....
3,899	5,252	2,087	3,697	2,451	2,834	732	21,826	1,026
3,893	9,458	1,313	3,054	2,130	2,767	1,955	27,113	1,438
45	4,028	.....	.....	.....	.....	.....	18,530	.....
2,615	3,746	1,884	2,293	1,288	2,365	1,148	20,841	1,704
.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>23,267</b>	<b>73,305</b>	<b>23,514</b>	<b>21,920</b>	<b>15,708</b>	<b>32,657</b>	<b>18,595</b>	<b>276,703</b>	<b>15,125</b>
<b>4,205</b>	<b>4,103</b>	<b>1,604</b>	<b>2,447</b>	<b>5,559</b>	<b>2,126</b>	<b>9,050</b>	<b>4,391</b>	<b>4,209</b>
242	701	264	257	236	367	193	1,511	148



## Municipal Electrical Utilities Financial

Municipality.....	Delhi	Deseronto	Dorchester	Drayton	Dresden	Drumbo
Population.....	3,617	1,772	1,073	682	2,378	421
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	496,021	163,822	85,533	82,668	305,505	37,142
Accumulated depreciation.....	126,971	62,158	25,535	15,211	67,823	16,845
Net fixed assets.....	369,050	101,664	59,998	67,457	237,682	20,297
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	24,671	9,567	11,174	14,026	7,025	3,097
Short-term investments.....	45,000					
Investment in government securities.....		4,000	1,500	6,000	1,000	5,500
Accounts receivable (net).....	2,184	5,599	2,316	294	5,938	777
Total current assets.....	71,855	19,166	14,990	20,320	13,963	9,374
<b>OTHER ASSETS</b>						
Inventory of stores.....	14,062	10,547		236	5,842	
Sinking fund on local debentures.....						
Miscellaneous.....	666		127	367		
Total other assets.....	14,728	10,547	127	603	5,842	
Equity in Ontario Hydro Systems....	209,930	108,985	51,437	67,249	202,757	39,462
<b>Total.....</b>	<b>665,563</b>	<b>240,362</b>	<b>126,552</b>	<b>155,629</b>	<b>460,244</b>	<b>69,133</b>
<b>LIABILITIES</b>						
Debentures outstanding.....			1,393		4,997	
Accounts payable.....	1,703	1,691	4,324	326	402	228
Other.....	4,948	1,199	818	682	2,489	128
Total liabilities.....	6,651	2,890	6,535	1,008	7,888	356
<b>RESERVES</b>						
Equity in Ontario Hydro Systems..	209,930	108,985	51,437	67,249	202,757	39,462
Other.....						
Total reserves.....	209,930	108,985	51,437	67,249	202,757	39,462
<b>CAPITAL</b>						
Debentures redeemed.....	85,000	15,000	5,907	9,500	46,226	4,500
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds..	325,753	113,487	62,673	77,722	203,373	24,815
Contributed capital.....	38,229			150		
Total capital.....	448,982	128,487	68,580	87,372	249,599	29,315
<b>Total.....</b>	<b>665,563</b>	<b>240,362</b>	<b>126,552</b>	<b>155,629</b>	<b>460,244</b>	<b>69,133</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	191,672	75,409	35,165	34,800	143,534	15,009
Other.....	5,654	3,740	1,254	665	3,199	690
<b>Total revenue.....</b>	<b>197,326</b>	<b>79,149</b>	<b>36,419</b>	<b>35,465</b>	<b>146,733</b>	<b>15,699</b>
<b>EXPENSE</b>						
Power purchased.....	117,702	48,688	22,166	18,649	84,605	10,193
Local generation.....						
Operation and maintenance.....	18,580	8,074	1,859	4,095	17,084	693
Administration.....	18,402	8,358	2,128	2,011	21,506	1,217
Fixed charges—interest and principal.....			241		1,349	
—depreciation.....	13,671	5,921	3,621	2,485	6,359	1,655
—other.....						
<b>Total expense.....</b>	<b>168,355</b>	<b>71,041</b>	<b>30,015</b>	<b>27,240</b>	<b>130,903</b>	<b>13,758</b>
<b>Net income or net expense.....</b>	<b>28,971</b>	<b>8,108</b>	<b>6,404</b>	<b>8,225</b>	<b>15,830</b>	<b>1,941</b>
Number of customers.....	1,509	618	379	288	960	175

## Statements for the Year Ended December 31, 1966

Dryden	Dublin	Dundalk	Dundas	Dunnville	Durham	Dutton	East York Twp.	Eganville
6,657	293	898	15,178	5,293	2,425	835	72,842	1,369
\$ 854,569 265,169	\$ 49,862 15,323	\$ 78,083 16,621	\$ 2,273,508 413,387	\$ 628,331 147,511	\$ 260,510 51,310	\$ 75,884 19,156	\$ 5,702,779 1,418,785	\$ 202,967 69,724
589,400	34,539	61,462	1,860,121	480,820	209,200	56,728	4,283,994	133,243
27,005	8,392	8,668	31,581	27,304	18,921	515	432,612	10,827
25,000							400,000	
	1,000	16,500	9,000		19,000	4,500	200,000	15,000
3,950	130	5,923	20,335	5,628	11,108	508	175,726	461
55,955	9,522	31,091	60,916	32,932	49,029	5,523	1,208,338	26,288
9,067		20	17,872	41,852	1,470	72	56,386	1,456
5,662	326		30,832	395	6,395		10,900	2,181
14,729	326	20	48,704	42,247	7,865	72	67,286	3,637
176,933	32,916	85,443	909,471	488,297	195,575	89,083	3,725,984	30,223
<b>837,017</b>	<b>77,303</b>	<b>178,016</b>	<b>2,879,212</b>	<b>1,044,296</b>	<b>461,669</b>	<b>151,406</b>	<b>9,285,602</b>	<b>193,391</b>
93,300			773,600	31,910	26,000		154,000	5,482
6,382	1,476	86	59,135	1,344	584	6,650	216,942	106
22,530	120	425	45,842	10,098	2,498	495	9,040	240
122,212	1,596	511	878,577	43,352	29,082	7,145	379,982	5,828
176,933	32,916	85,443	909,471	488,297	195,575	89,083	3,725,984	30,223
176,933	32,916	85,443	909,471	488,297	195,575	89,083	3,725,984	30,223
108,130	6,200	5,727	253,983	108,029	29,324	8,407	1,118,304	94,518
429,742	36,381	86,335	740,655	379,111	207,688	46,771	3,947,963	62,822
	210		96,526	25,507			113,369	
537,872	42,791	92,062	1,091,164	512,647	237,012	55,178	5,179,636	157,340
<b>837,017</b>	<b>77,303</b>	<b>178,016</b>	<b>2,879,212</b>	<b>1,044,296</b>	<b>461,669</b>	<b>151,406</b>	<b>9,285,602</b>	<b>193,391</b>
337,883	20,297	52,595	780,057	280,108	129,734	31,504	2,590,800	64,986
14,984	184	748	24,303	3,024	4,525	216	144,987	1,131
<b>352,867</b>	<b>20,481</b>	<b>53,343</b>	<b>804,360</b>	<b>283,132</b>	<b>134,259</b>	<b>31,720</b>	<b>2,735,787</b>	<b>66,117</b>
184,052	12,787	32,539	481,962	170,208	85,261	17,766	1,765,022	29,809
								12,897
49,021	1,164	5,807	59,056	32,865	9,384	4,685	240,529	3,511
35,318	2,323	3,511	70,989	22,346	14,200	2,923	241,008	7,874
11,970			82,983	5,482	2,600		42,899	5,646
30,060	1,605	2,170	61,255	15,081	7,687	2,200	217,711	5,188
<b>310,421</b>	<b>17,879</b>	<b>44,027</b>	<b>756,245</b>	<b>245,982</b>	<b>119,132</b>	<b>27,574</b>	<b>2,507,169</b>	<b>64,925</b>
<b>42,446</b>	<b>2,602</b>	<b>9,316</b>	<b>48,115</b>	<b>37,150</b>	<b>15,127</b>	<b>4,146</b>	<b>228,618</b>	<b>1,192</b>
2,115	122	491	4,700	2,029	932	360	24,900	517

## Municipal Electrical Utilities Financial

Municipality.....	Elmira	Elmvale	Elmwood	Elora	Embro	Embrun
Population.....	4,052	1,056	450	1,586	608	1,136
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	543,729	97,180	26,422	172,992	77,599	124,425
Accumulated depreciation.....	149,530	28,750	10,269	60,067	27,581	28,431
Net fixed assets.....	394,199	68,430	16,153	112,925	50,018	95,994
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	11,258	6,876	3,396	11,409	5,236	2,826
Short-term investments.....	55,000			16,088	3,000	
Investment in government securities.....		11,729	7,000	8,000	3,000	
Accounts receivable (net).....	5,141	1,958	99	1,961	421	7,357
Total current assets.....	71,399	20,563	10,495	37,458	11,657	10,183
<b>OTHER ASSETS</b>						
Inventory of stores.....	1,298	247		1,314		
Sinking fund on local debentures.....						
Miscellaneous.....	785	3,534		432	1,952	4,458
Total other assets.....	2,083	3,781		1,746	1,952	4,458
Equity in Ontario Hydro Systems.....	496,319	82,256	30,196	168,255	59,020	781
<b>Total.....</b>	<b>964,000</b>	<b>175,030</b>	<b>56,844</b>	<b>320,384</b>	<b>122,647</b>	<b>111,416</b>
<b>LIABILITIES</b>						
Debentures outstanding.....				2,300		99,500
Accounts payable.....	768	469		1,522	1,110	4,777
Other.....	5,173	780	40	1,987	120	1,495
Total liabilities.....	5,941	1,249	40	5,809	1,230	105,772
<b>RESERVES</b>						
Equity in Ontario Hydro Systems.....	496,319	82,256	30,196	168,255	59,020	781
Other.....						
Total reserves.....	496,319	82,256	30,196	168,255	59,020	781
<b>CAPITAL</b>						
Debentures redeemed.....	37,168	6,544	6,106	17,562	7,500	2,500
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds.....	424,185	84,981	20,502	127,416	54,897	2,363
Contributed capital.....	387			1,342		
Total capital.....	461,740	91,525	26,608	146,320	62,397	4,863
<b>Total.....</b>	<b>964,000</b>	<b>175,030</b>	<b>56,844</b>	<b>320,384</b>	<b>122,647</b>	<b>111,416</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	322,154	53,441	11,675	75,489	31,797	59,189
Other.....	5,992	892	397	2,178	1,697	1,520
<b>Total revenue.....</b>	<b>328,146</b>	<b>54,333</b>	<b>12,072</b>	<b>77,667</b>	<b>33,494</b>	<b>60,709</b>
<b>EXPENSE</b>						
Power purchased.....	249,866	34,361	7,808	38,709	19,565	37,396
Local generation.....						
Operation and maintenance.....	16,591	2,655	1,129	9,949	3,820	1,349
Administration.....	19,568	6,287	1,351	9,263	2,766	3,049
Fixed charges—interest and principal.....				617		8,678
—depreciation.....	15,006	3,280	867	5,399	3,130	3,791
—other.....						
<b>Total expense.....</b>	<b>301,031</b>	<b>46,583</b>	<b>11,155</b>	<b>63,937</b>	<b>29,281</b>	<b>54,263</b>
<b>Net income or net expense.....</b>	<b>27,115</b>	<b>7,750</b>	<b>917</b>	<b>13,730</b>	<b>4,213</b>	<b>6,446</b>
Number of customers.....	1,408	433	141	575	253	345



Statements for the Year Ended December 31, 1966

Erieau	Erie Beach	Erin	Espanola	Essex	Etobicoke Twp.	Exeter	Fergus	Finch
471	202	1,206	5,528	3,555	214,963	3,093	4,456	382
\$ 99,154 28,659	\$ 25,779 5,553	\$ 93,750 16,385	\$ 413,400 93,566	\$ 392,578 127,784	\$ 27,967,986 5,296,827	\$ 461,387 116,119	\$ 498,364 131,718	\$ 47,769 17,213
70,495	20,226	77,365	319,834	264,794	22,671,159	345,268	366,646	30,556
4,776	4,338	6,680	15,934	27,996	.....	19,909	52,546	6,665
.....	.....	.....	5,000	.....	1,089,000	25,000	.....	.....
3,923	.....	5,025	34,000	.....	136,719	6,000	.....	6,000
1,302	106	558	7,265	3,287	480,777	3,220	5,968	3,129
10,001	4,444	12,263	62,199	31,283	1,706,496	54,129	58,514	15,794
30	.....	.....	192	18,587	573,300	1,053	447	.....
.....	.....	.....	.....	.....	2,071,738	.....	.....	.....
2,195	269	1,240	14,018	1,485	218,113	1,410	699	.....
2,225	269	1,240	14,210	20,072	2,863,151	2,463	1,146	.....
61,002	10,740	38,642	57,373	231,673	7,862,786	301,548	480,328	37,894
143,723	35,679	129,510	453,616	547,822	35,103,592	703,408	906,634	84,244
1,814	.....	.....	119,500	8,400	9,635,675	43,558	13,500	.....
.....	7	1,762	5,326	7,816	452,576	1,062	608	223
1,001	267	1,008	14,680	2,167	726,109	4,193	5,388	381
2,815	274	2,770	139,506	18,383	10,814,360	48,813	19,496	604
61,002	10,740	38,642	57,373	231,673	7,862,786	301,548	480,328	37,894
.....	.....	.....	.....	.....	.....	.....	.....	.....
61,002	10,740	38,642	57,373	231,673	7,862,786	301,548	480,328	37,894
18,850	7,783	14,242	25,500	42,788	2,585,627	21,442	61,461	7,000
.....	.....	.....	.....	.....	2,071,738	.....	.....	.....
61,056	16,882	73,856	147,531	253,480	10,373,575	310,081	345,349	37,874
.....	.....	.....	83,706	1,498	1,395,506	21,524	.....	872
79,906	24,665	88,098	256,737	297,766	16,426,446	353,047	406,810	45,746
143,723	35,679	129,510	453,616	547,822	35,103,592	703,408	906,634	84,244
36,083	8,838	51,993	195,892	164,177	12,126,539	208,900	294,190	19,012
757	56	1,903	8,522	3,354	261,118	3,454	4,323	362
36,840	8,894	53,896	204,414	167,531	12,387,657	212,354	298,513	19,374
20,990	3,325	35,037	126,865	92,885	8,460,980	113,227	187,212	11,930
.....	.....	.....	.....	.....	.....	.....	.....	.....
3,992	558	3,642	19,024	16,643	715,216	17,536	19,594	1,803
3,969	1,585	4,304	23,194	20,372	536,859	22,480	25,089	1,892
1,901	632	749	13,180	1,580	955,811	3,942	2,090	.....
3,093	780	3,125	11,127	11,111	706,741	13,057	14,851	1,561
.....	.....	.....	.....	.....	.....	.....	.....	.....
33,945	6,880	46,857	193,390	142,591	11,375,607	170,242	248,836	17,186
2,895	2,014	7,039	11,024	24,940	1,012,050	42,112	49,677	2,188
380	146	457	1,443	1,247	66,589	1,338	1,589	171

## Municipal Electrical Utilities Financial

Municipality.....	Flesherton	Fonthill	Forest	Forest Hill	Fort William	Frankford
Population .....	480	2,828	2,105	22,970	47,963	1,783
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	37,686	227,199	206,407	2,404,837	5,608,176	144,466
Accumulated depreciation.....	15,144	62,386	106,862	858,024	1,850,264	34,564
Net fixed assets.....	22,542	164,813	99,545	1,546,813	3,757,912	109,902
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	2,059	17,889	24,102	161,981	15,215	16,636
Short-term investments.....					400,000	
Investment in government securities.....	19,000		38,417	54,000	50,000	
Accounts receivable (net).....	446	1,155	1,934	168,595	197,025	2,574
Total current assets.....	21,505	19,044	64,453	384,576	662,240	19,210
<b>OTHER ASSETS</b>						
Inventory of stores.....	76	24	2,814	47,049	144,821	
Sinking fund on local debentures.....						
Miscellaneous.....			697	2,203	16,918	866
Total other assets.....	76	24	3,511	49,252	161,739	866
Equity in Ontario Hydro Systems.....	43,037	108,418	231,088	1,742,211	6,821,075	48,514
<b>Total.....</b>	<b>87,160</b>	<b>292,299</b>	<b>398,597</b>	<b>3,722,852</b>	<b>11,402,966</b>	<b>178,492</b>
<b>LIABILITIES</b>						
Debentures outstanding.....		3,500			320,000	12,500
Accounts payable.....	361	473	718	151,080	13,589	1,210
Other.....	298	3,377	1,774	6,660	104,446	1,690
Total liabilities.....	659	7,350	2,492	157,740	438,035	15,400
<b>RESERVES</b>						
Equity in Ontario Hydro Systems.....	43,037	108,418	231,088	1,742,211	6,821,075	48,514
Other.....						
Total reserves.....	43,037	108,418	231,088	1,742,211	6,821,075	48,514
<b>CAPITAL</b>						
Debentures redeemed.....	5,831	56,673	23,357	358,126	742,139	20,500
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds.....	37,633	117,808	141,660	1,464,775	3,389,244	94,078
Contributed capital.....		2,050			12,473	
Total capital.....	43,464	176,531	165,017	1,822,901	4,143,856	114,578
<b>Total.....</b>	<b>87,160</b>	<b>292,299</b>	<b>398,597</b>	<b>3,722,852</b>	<b>11,402,966</b>	<b>178,492</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	22,035	93,648	103,442	1,183,992	2,079,846	61,773
Other.....	1,003	3,675	7,630	33,814	145,107	3,773
<b>Total revenue.....</b>	<b>23,038</b>	<b>97,323</b>	<b>111,072</b>	<b>1,217,806</b>	<b>2,224,953</b>	<b>65,546</b>
<b>EXPENSE</b>						
Power purchased.....	18,083	63,660	68,274	888,387	1,499,417	45,143
Local generation.....						
Operation and maintenance.....	1,417	7,366	11,435	88,240	166,871	3,321
Administration.....	2,113	8,786	12,995	111,883	180,944	6,774
Fixed charges—interest and principal.....		679			53,552	1,345
—depreciation.....	1,397	8,633	8,958	82,901	205,913	6,129
—other.....						
<b>Total expense.....</b>	<b>23,010</b>	<b>89,124</b>	<b>101,662</b>	<b>1,171,411</b>	<b>2,106,697</b>	<b>62,712</b>
<b>Net income or net expense.....</b>	<b>28</b>	<b>8,199</b>	<b>9,410</b>	<b>46,395</b>	<b>118,256</b>	<b>2,834</b>
Number of customers.....	244	915	882	9,072	15,271	662

## Statements for the Year Ended December 31, 1966

Galt	Georgetown	Glencoe	Gloucester Twp.	Goderich	Grand Bend	Grand Valley	Granton	Gravenhurst
32,708	11,658	1,167	21,050	6,611	662	762	306	3,307
\$ 4,206,934 1,488,242	\$ 1,277,942 312,113	\$ 158,305 55,229	\$ 2,539,253 584,779	\$ 1,031,455 325,674	\$ 211,260 62,079	\$ 70,142 21,385	\$ 24,144 4,689	\$ 308,757 93,828
2,718,692	965,829	103,076	1,954,474	705,781	149,181	48,757	19,455	214,929
450	5,805	786	59,208	80,043	9,923	12,011	10,125	7,575
75,000	35,000			50,000				
162,938	14,000	5,000		90,804		14,000		12,000
	3,892	4,636	204,187	7,065	988	1,329	415	8,576
238,388	58,697	10,422	263,395	227,912	10,911	27,340	10,540	28,151
140,712	38,198	936	58,821	9,052	614			3,256
7,384	3,416	651	60,621	856	7,694	2,729		
148,096	41,614	1,587	119,442	9,908	8,308	2,729		3,256
3,285,747	803,076	108,705	30,855	770,914	77,944	75,692	29,615	314,574
<b>6,390,923</b>	<b>1,869,216</b>	<b>223,790</b>	<b>2,368,166</b>	<b>1,714,515</b>	<b>246,344</b>	<b>154,518</b>	<b>59,610</b>	<b>560,910</b>
217,201			1,944,728	41,000	44,083			
40,766	21,365	589	178,307	1,065	280	30	198	3,317
46,702	44,824	599	13,381	18,707	4,622		45	3,366
87,468	283,390	1,188	2,136,416	60,772	48,985	30	243	6,683
3,285,747	803,076	108,705	30,855	770,914	77,944	75,692	29,615	314,574
			37,884					
3,285,747	803,076	108,705	68,739	770,914	77,944	75,692	29,615	314,574
817,298	176,066	20,113	53,734	171,959	46,917	10,795	6,602	44,279
2,101,217	606,684	87,250	78,633	682,795	68,720	68,001	23,150	195,374
99,193		6,534	30,644	28,075	3,778			
3,017,708	782,750	113,897	163,011	882,829	119,415	78,796	29,752	239,653
<b>6,390,923</b>	<b>1,869,216</b>	<b>223,790</b>	<b>2,368,166</b>	<b>1,714,515</b>	<b>246,344</b>	<b>154,518</b>	<b>59,610</b>	<b>560,910</b>
1,843,093	587,195	58,780	1,154,612	460,711	86,531	34,426	11,528	154,607
14,217	21,090	876	45,072	14,822	721	796	4	3,504
<b>1,857,310</b>	<b>608,285</b>	<b>59,656</b>	<b>1,199,684</b>	<b>475,533</b>	<b>87,252</b>	<b>35,222</b>	<b>11,532</b>	<b>158,111</b>
1,389,158	415,636	30,559	727,628	304,062	38,281	22,259	5,926	110,456
174,918	31,084	7,667	63,107	27,296	10,049	2,550	1,244	13,540
122,889	53,163	8,530	116,188	53,113	15,511	2,839	1,934	12,233
6,240	29,330		151,045	9,290	7,207			
116,656	42,002	4,673	84,871	31,453	5,930	2,294	671	9,488
<b>1,809,861</b>	<b>571,215</b>	<b>51,429</b>	<b>1,142,839</b>	<b>425,214</b>	<b>76,978</b>	<b>29,942</b>	<b>9,775</b>	<b>145,717</b>
<b>47,449</b>	<b>37,070</b>	<b>8,227</b>	<b>56,845</b>	<b>50,319</b>	<b>10,274</b>	<b>5,280</b>	<b>1,757</b>	<b>12,394</b>
10,452	3,581	559	4,838	2,584	854	350	123	1,417

## Municipal Electrical Utilities Financial

Municipality.....	Grimsby	Guelph	Hagersville	Hamilton	Hanover	Harriston
Population.....	6,515	49,497	2,289	283,345	4,830	1,573
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Plant and facilities at cost.....	530,685	6,763,755	194,865	31,250,952	548,077	274,660
Accumulated depreciation.....	125,178	1,228,423	62,974	4,468,100	181,788	67,479
Net fixed assets.....	405,507	5,535,332	131,891	26,782,852	366,289	207,181
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	43,345	48,906	15,372	244,414	26,251	6,056
Short-term investments.....	50,000	265,721	50,000	1,600,000	.....	.....
Investment in government securities.....	.....	.....	18,000	.....	22,000	7,000
Accounts receivable (net).....	2,503	210,029	2,925	1,948,536	19,851	1,089
Total current assets.....	95,848	524,656	86,297	3,792,950	68,102	14,145
<b>OTHER ASSETS</b>						
Inventory of stores.....	.....	109,375	65	971,589	14,726	219
Sinking fund on local debentures.....	.....	.....	.....	.....	.....	.....
Miscellaneous.....	5,969	30,179	576	27,544	358	970
Total other assets.....	5,969	139,554	641	999,133	15,084	1,189
Equity in Ontario Hydro Systems.....	243,278	4,066,833	339,742	44,184,388	499,372	199,167
<b>Total.....</b>	<b>750,602</b>	<b>10,266,375</b>	<b>558,571</b>	<b>75,759,323</b>	<b>948,847</b>	<b>421,682</b>
<b>LIABILITIES</b>						
Debentures outstanding.....	66,000	1,387,000	.....	681,000	.....	32,000
Accounts payable.....	5,990	382,427	330	2,648,307	324	1,342
Other.....	9,968	123,003	1,560	210,502	4,160	2,626
Total liabilities.....	81,958	1,892,430	1,890	3,539,809	4,484	35,968
<b>RESERVES</b>						
Equity in Ontario Hydro Systems..	243,278	4,066,833	339,742	44,184,388	499,372	199,167
Other.....	.....	.....	.....	215,624	.....	.....
Total reserves.....	243,278	4,066,833	339,742	44,400,012	499,372	199,167
<b>CAPITAL</b>						
Debentures redeemed.....	109,344	876,079	8,000	7,028,892	80,162	33,708
Local sinking fund.....	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds..	315,133	3,246,785	208,939	20,585,871	354,428	152,839
Contributed capital.....	889	184,248	.....	204,739	10,401	.....
Total capital.....	425,366	4,307,112	216,939	27,819,502	444,991	186,547
<b>Total.....</b>	<b>750,602</b>	<b>10,266,375</b>	<b>558,571</b>	<b>75,759,323</b>	<b>948,847</b>	<b>421,682</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	287,458	3,380,257	113,593	25,898,611	294,101	102,635
Other.....	6,632	79,540	4,387	376,097	2,746	2,063
<b>Total revenue.....</b>	<b>294,090</b>	<b>3,459,797</b>	<b>117,980</b>	<b>26,274,708</b>	<b>296,847</b>	<b>104,698</b>
<b>EXPENSE</b>						
Power purchased.....	175,210	2,149,404	67,602	22,374,640	220,433	67,170
Local generation.....	.....	.....	.....	.....	.....	.....
Operation and maintenance.....	11,058	191,620	15,770	1,134,447	15,662	9,547
Administration.....	30,989	287,104	9,935	1,165,748	19,207	8,143
Fixed charges—interest and principal	9,586	177,628	.....	113,468	.....	2,965
—depreciation.....	17,740	179,548	6,224	738,553	14,650	7,632
—other.....	.....	.....	.....	.....	.....	.....
<b>Total expense.....</b>	<b>244,583</b>	<b>2,985,304</b>	<b>99,531</b>	<b>25,526,856</b>	<b>269,952</b>	<b>95,457</b>
<b>Net income or net expense.....</b>	<b>49,507</b>	<b>474,493</b>	<b>18,449</b>	<b>747,852</b>	<b>26,895</b>	<b>9,241</b>
Number of customers.....	2,236	15,276	794	91,124	1,831	696



Statements for the Year Ended December 31, 1966

Harrow	Hastings	Havelock	Hawkesbury	Hearst	Hensall	Hespeler	Highgate	Holstein
1,884	832	1,254	9,281	2,856	920	5,328	423	163
\$ 311,697 97,059	\$ 118,248 34,640	\$ 124,293 39,944	\$ 865,742 229,390	\$ 317,967 55,088	\$ 172,023 52,028	\$ 619,628 142,728	\$ 44,932 18,254	\$ 12,880 4,368
214,638	83,608	84,349	636,352	262,879	119,995	476,900	26,678	8,512
5,938	4,890	12,614	18,651	26,530	12,298	22,307	5,183	5,046
.....	.....	.....	25,000	.....	.....	25,000	.....	.....
.....	4,917	44,153	.....	40,000	8,926	20,000	3,000	.....
936	1,352	1,944	6,572	3,885	2,616	32,924	203	156
6,874	11,159	58,711	50,223	70,415	23,840	100,231	8,386	5,202
55	.....	.....	23,847	251	488	216	.....	30
.....	.....	.....	.....	.....	.....	.....	.....	.....
1,177	5	998	1,975	6,168	50	2,275	.....	485
1,232	5	998	25,822	6,419	538	2,491	.....	515
205,827	50,770	83,997	159,455	39,102	111,219	807,541	42,372	16,037
428,571	145,542	228,055	871,852	378,815	255,592	1,387,163	77,436	30,266
.....	.....	7,500	123,000	16,200	.....	.....	.....	.....
1,210	12,744	495	2,950	3,913	209	5,031	1	140
1,060	875	568	11,805	13,222	490	6,333	190	84
2,270	13,619	8,563	137,755	33,335	699	11,364	191	224
205,827	50,770	83,997	159,455	39,102	111,219	807,541	42,372	16,037
.....	.....	.....	.....	.....	.....	.....	.....	.....
205,827	50,770	83,997	159,455	39,102	111,219	807,541	42,372	16,037
12,000	21,000	55,400	162,000	123,800	12,000	77,571	5,000	2,762
.....	.....	.....	.....	.....	.....	.....	.....	.....
206,569	59,895	80,095	385,960	182,578	127,079	488,221	29,873	11,243
1,905	258	.....	26,682	.....	4,595	2,466	.....	.....
220,474	81,153	135,495	574,642	306,378	143,674	568,258	34,873	14,005
428,571	145,542	228,055	871,852	378,815	255,592	1,387,163	77,436	30,266
126,666	43,860	44,035	332,956	152,910	70,672	370,594	12,275	7,362
4,981	1,084	2,416	12,015	3,983	698	13,037	298	.....
131,647	44,944	46,451	344,971	156,893	71,370	383,631	12,573	7,362
76,064	27,146	26,546	209,070	83,575	41,832	289,766	6,477	4,898
.....	.....	.....	.....	.....	.....	.....	.....	.....
17,730	2,140	3,606	26,390	11,327	4,759	23,329	1,696	276
17,581	5,361	5,014	41,514	15,068	6,850	27,102	2,095	749
.....	.....	1,815	21,097	8,688	.....	.....	.....	.....
10,509	4,004	4,022	27,503	8,018	4,903	17,351	1,534	447
.....	.....	.....	.....	.....	.....	.....	.....	.....
121,884	38,651	41,003	325,574	126,676	58,344	357,548	11,802	6,370
9,763	6,293	5,448	19,397	30,217	13,026	26,083	771	992
718	412	460	2,463	799	385	1,654	171	97

## Municipal Electrical Utilities Financial

Municipality.....	Huntsville	Ingersoll	Iroquois	Jarvis	Kapuskasing	Kemptville
Population.....	3,122	7,245	1,123	835	12,389	2,142
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	355,543	872,286	215,294	77,864	696,892	244,913
Accumulated depreciation.....	93,070	246,576	51,591	25,462	116,908	44,636
Net fixed assets.....	262,473	625,710	163,703	52,402	579,984	200,277
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	37,279	35,067	7,039	11,708	8,537	1,048
Short-term investments.....	30,000	100,000	.....	15,000	60,000	.....
Investment in government securities	60,000	.....	53,000	.....	.....	6,000
Accounts receivable (net).....	6,824	11,292	1,375	988	5,218	2,145
Total current assets.....	134,103	146,359	61,414	27,696	73,755	9,193
<b>OTHER ASSETS</b>						
Inventory of stores.....	7,022	26,426	720	.....	11,543	9,466
Sinking fund on local debentures..	.....	.....	.....	.....	.....	.....
Miscellaneous.....	2,870	6,038	1,280	184	8,641	.....
Total other assets.....	9,892	32,464	2,000	184	20,184	9,466
Equity in Ontario Hydro Systems...	406,852	946,272	72,680	77,582	98,768	195,655
<b>Total.....</b>	<b>813,320</b>	<b>1,750,805</b>	<b>299,797</b>	<b>157,864</b>	<b>772,691</b>	<b>414,591</b>
<b>LIABILITIES</b>						
Debentures outstanding.....	.....	49,602	.....	.....	183,516	.....
Accounts payable.....	.....	3,037	391	414	4,823	253
Other.....	1,820	13,903	1,650	330	27,100	1,839
Total liabilities.....	1,820	66,542	2,041	744	215,439	2,092
<b>RESERVES</b>						
Equity in Ontario Hydro Systems..	406,852	946,272	72,680	77,582	98,768	195,655
Other.....	.....	.....	.....	.....	.....	.....
Total reserves.....	406,852	946,272	72,680	77,582	98,768	195,655
<b>CAPITAL</b>						
Debentures redeemed.....	15,697	150,198	.....	10,500	101,963	19,507
Local sinking fund.....	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds..	388,951	587,793	81,087	68,561	356,521	197,337
Contributed capital.....	.....	.....	143,989	477	.....	.....
Total capital.....	404,648	737,991	225,076	79,538	458,484	216,844
<b>Total.....</b>	<b>813,320</b>	<b>1,750,805</b>	<b>299,797</b>	<b>157,864</b>	<b>772,691</b>	<b>414,591</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	177,798	440,357	55,205	31,523	289,652	140,606
Other.....	7,972	12,281	2,948	824	7,604	3,324
<b>Total revenue.....</b>	<b>185,770</b>	<b>452,638</b>	<b>58,153</b>	<b>32,347</b>	<b>297,256</b>	<b>143,930</b>
<b>EXPENSE</b>						
Power purchased.....	111,301	271,874	39,722	17,345	185,475	88,270
Local generation.....	.....	.....	.....	.....	.....	.....
Operation and maintenance.....	21,579	38,706	6,629	3,036	21,645	12,732
Administration.....	15,045	43,859	9,269	4,329	44,950	11,318
Fixed charges—interest and principal	.....	11,769	.....	.....	26,343	.....
—depreciation.....	9,665	24,011	5,594	2,363	20,757	7,697
—other.....	.....	.....	.....	.....	.....	.....
<b>Total expense.....</b>	<b>157,590</b>	<b>390,219</b>	<b>61,214</b>	<b>27,073</b>	<b>299,170</b>	<b>120,017</b>
<b>Net income or net expense.....</b>	<b>28,180</b>	<b>62,419</b>	<b>3,061</b>	<b>5,274</b>	<b>1,914</b>	<b>23,913</b>
Number of customers.....	1,289	2,498	412	297	2,186	866

## Statements for the Year Ended December 31, 1966

Killaloe Station 825	Kincardine 2,734	King City 1,949	Kingston 54,086	Kingsville 3,450	Kirkfield 194	Kitchener 91,376	Lakefield 2,201	Lambeth 2,654
\$ 64,372 18,786	\$ 378,478 131,807	\$ 162,537 58,356	\$ 7,956,390 2,246,068	\$ 371,784 131,065	\$ 27,980 8,024	\$ 14,196,739 3,343,837	\$ 305,146 81,306	\$ 191,596 54,239
45,586	246,671	104,181	5,710,322	240,719	19,956	10,852,902	223,840	137,357
11,104	32,596	11,364	590,014	9,282	7,254	587,905	6,378	24,727
.....	.....	35,000	.....	10,000	.....	500,000	.....	.....
.....	5,000	.....	130,000	8,500	.....	200,000	21,000	.....
963	2,057	1,704	413,322	5,662	693	666,852	2,755	3,040
12,067	39,653	48,068	1,133,336	33,444	7,947	1,954,757	30,133	27,767
.....	9,796	.....	255,548	1,373	.....	455,138	6,064	.....
2,455	.....	4,138	8,323	929	.....	28,237	1,123	334
2,455	9,796	4,138	263,871	2,302	.....	483,375	7,187	334
18,188	334,822	40,292	3,589,072	274,508	16,504	8,368,291	155,511	95,532
<b>78,296</b>	<b>630,942</b>	<b>196,679</b>	<b>10,696,601</b>	<b>550,973</b>	<b>44,407</b>	<b>21,659,325</b>	<b>416,671</b>	<b>260,990</b>
32,500	.....	100,300	1,856,800	.....	.....	1,673,000	.....	5,737
115	299	3,784	311,329	2,213	595	443,351	22,048	282
120	3,001	5,338	14,661	5,445	25	132,385	2,220	2,170
32,735	3,300	109,422	2,182,790	7,658	620	2,248,736	24,268	8,189
18,188	334,822	40,292	3,589,072	274,508	16,504	8,368,291	155,511	95,532
.....	.....	.....	104,287	.....	.....	.....	.....	.....
18,188	334,822	40,292	3,693,359	274,508	16,504	8,368,291	155,511	95,532
7,500	60,000	10,950	917,008	33,500	5,765	2,404,244	33,500	26,763
.....	.....	.....	.....	.....	.....	.....	.....	.....
19,873	232,820	35,502	3,878,948	228,089	21,518	8,303,877	203,392	115,994
.....	.....	513	24,496	7,218	.....	334,177	.....	14,512
27,373	292,820	46,965	4,820,452	268,807	27,283	11,042,298	236,892	157,269
<b>78,296</b>	<b>630,942</b>	<b>196,679</b>	<b>10,696,601</b>	<b>550,973</b>	<b>44,407</b>	<b>21,659,325</b>	<b>416,671</b>	<b>260,990</b>
30,537	166,524	82,017	3,774,734	145,824	8,583	5,478,844	124,175	96,525
367	2,885	7,783	95,047	1,614	247	37,842	2,979	3,047
<b>30,904</b>	<b>169,409</b>	<b>89,800</b>	<b>3,869,781</b>	<b>147,438</b>	<b>8,830</b>	<b>5,516,686</b>	<b>127,154</b>	<b>99,572</b>
16,499	97,624	55,723	2,822,859	97,904	4,519	3,911,232	72,998	61,797
.....	.....	.....	.....	.....	.....	.....	.....	.....
796	13,212	4,146	278,351	15,234	1,139	334,673	10,472	3,869
3,302	10,708	6,470	263,788	20,072	775	347,473	9,663	8,232
3,540	.....	9,636	161,264	.....	.....	140,686	1,803	1,307
1,917	11,039	8,218	209,535	10,723	956	331,565	10,214	7,040
.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>26,054</b>	<b>132,583</b>	<b>84,193</b>	<b>3,735,797</b>	<b>143,933</b>	<b>7,389</b>	<b>5,065,629</b>	<b>105,150</b>	<b>82,245</b>
<b>4,850</b>	<b>36,826</b>	<b>5,607</b>	<b>133,984</b>	<b>3,505</b>	<b>1,441</b>	<b>451,057</b>	<b>22,004</b>	<b>17,327</b>
286	1,335	551	18,888	1,456	106	28,948	825	814

## Municipal Electrical Utilities Financial

Municipality .....	Lanark	Lancaster	Larder Lake Twp.	Latchford	Leamington	Lindsay
Population .....	925	600	1,392	488	9,379	11,763
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$	\$
Plant and facilities at cost .....	71,192	45,023	78,212	51,971	1,077,617	1,550,057
Accumulated depreciation .....	15,932	15,106	32,478	13,467	289,328	505,075
Net fixed assets .....	55,260	29,917	45,734	38,504	788,289	1,044,982
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	2,443	16,514	13,426	6,981	18,213	44,057
Short-term investments .....			10,000		10,000	
Investment in government securities .....	9,000	6,672			2,000	
Accounts receivable (net) .....	620	3,657	779	2,349	21,717	37,498
Total current assets .....	12,063	26,843	24,205	9,330	51,930	81,555
<b>OTHER ASSETS</b>						
Inventory of stores .....	253				32,546	18,455
Sinking fund on local debentures .....						
Miscellaneous .....		391			1,244	
Total other assets .....	253	391			33,790	18,455
Equity in Ontario Hydro Systems .....	47,411	37,297	26,069	5,109	781,524	1,080,833
<b>Total .....</b>	<b>114,987</b>	<b>94,448</b>	<b>96,008</b>	<b>52,943</b>	<b>1,655,533</b>	<b>2,225,825</b>
<b>LIABILITIES</b>						
Debentures outstanding .....					45,000	
Accounts payable .....	943	959	2,039	4,653	2,110	52,283
Other .....	376	588	5,062	589	16,184	8,746
Total liabilities .....	1,319	1,547	7,101	5,242	63,294	61,029
<b>RESERVES</b>						
Equity in Ontario Hydro Systems .....	47,411	37,297	26,069	5,109	781,524	1,080,833
Other .....					14,307	
Total reserves .....	47,411	37,297	26,069	5,109	795,831	1,080,833
<b>CAPITAL</b>						
Debentures redeemed .....	7,317	8,917	15,753	18,901	81,000	130,000
Local sinking fund .....						
Accumulated net income invested in plant or held as working funds .....	58,940	46,087	47,085	20,782	684,323	950,819
Contributed capital .....		600		2,909	31,085	3,144
Total capital .....	66,257	55,604	62,838	42,592	796,408	1,083,963
<b>Total .....</b>	<b>114,987</b>	<b>94,448</b>	<b>96,008</b>	<b>52,943</b>	<b>1,655,533</b>	<b>2,225,825</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy .....	24,126	26,503	53,127	12,491	530,089	760,531
Other .....	1,095	789	527	244	4,232	32,307
<b>Total revenue .....</b>	<b>25,221</b>	<b>27,292</b>	<b>53,654</b>	<b>12,735</b>	<b>534,321</b>	<b>792,838</b>
<b>EXPENSE</b>						
Power purchased .....	16,472	14,128	35,239	7,891	363,864	547,097
Local generation .....						
Operation and maintenance .....	2,087	1,875	3,298	926	20,408	57,226
Administration .....	2,003	2,803	6,680	1,428	42,797	71,058
Fixed charges—interest and principal .....					6,426	
—depreciation .....	2,253	1,419	2,727	1,704	27,561	50,238
—other .....						
<b>Total expense .....</b>	<b>22,815</b>	<b>20,225</b>	<b>47,944</b>	<b>11,949</b>	<b>461,056</b>	<b>725,619</b>
<b>Net income or net expense .....</b>	<b>2,406</b>	<b>7,067</b>	<b>5,710</b>	<b>786</b>	<b>73,265</b>	<b>67,219</b>
Number of customers .....	294	223	445	151	3,497	4,254



## Statements for the Year Ended December 31, 1966

Listowel	London	Long Branch	L'Orignal	Lucan	Lucknow	Lynden	Madoc	Magneta- wan
4,420	187,624	12,439	1,354	969	1,078	575	1,264	223
\$ 503,742 194,402	\$ 27,902,771 6,840,347	\$ 782,232 167,525	\$ 142,433 41,217	\$ 118,253 41,879	\$ 126,157 25,263	\$ 47,037 17,240	\$ 191,583 70,382	\$ 33,004 10,859
309,340	21,062,424	614,707	101,216	76,374	100,894	29,797	121,201	22,145
56,259	3,620	17,789	7,806	12,499	19,301	6,564	17,633	5,021
20,000	252,253	139,843	5,500	9,000	12,000	20,000	6,000	24
31,348	1,197,337	96,102	1,850	1,121	1,441	2,150	3,320	24
107,607	1,453,210	253,734	9,656	19,120	29,742	25,714	40,953	11,045
319	1,153,872	41	60	6,598	136	490	626	7,011
2,134	161,956	50	2,878	41	1,824	70	6,598	626
2,453	1,315,828	50	2,878	41	1,824	70	6,598	626
491,311	13,483,944	614,763	22,930	91,769	137,125	50,089	105,941	7,011
<b>910,711</b>	<b>37,315,406</b>	<b>1,483,254</b>	<b>136,680</b>	<b>187,304</b>	<b>269,585</b>	<b>105,670</b>	<b>274,693</b>	<b>40,827</b>
27,306	8,014,538	11,000	840	113	1,454	1,918	98	5,700
10,533	1,115,269	48	875	875	182	1,666	182	1,666
8,077	331,378	33,775	670	875	182	1,666	182	1,666
45,916	9,461,185	33,823	12,510	988	1,454	2,100	1,764	5,700
491,311	13,483,944	614,763	22,930	91,769	137,125	50,089	105,941	7,011
491,311	13,700,403	614,763	22,930	91,769	137,125	50,089	105,941	7,011
105,528	3,638,370	40,305	17,000	11,214	17,614	4,495	14,000	18,300
266,424	10,360,299	781,435	84,240	83,333	113,392	48,986	152,988	9,816
1,532	155,149	12,928	94,547	131,006	53,481	166,988	28,116	9,816
373,484	14,153,818	834,668	101,240	94,547	131,006	53,481	166,988	28,116
<b>910,711</b>	<b>37,315,406</b>	<b>1,483,254</b>	<b>136,680</b>	<b>187,304</b>	<b>269,585</b>	<b>105,670</b>	<b>274,693</b>	<b>40,827</b>
266,519	10,468,716	471,722	49,947	45,343	64,949	24,924	67,014	10,922
4,932	348,512	15,938	2,558	1,273	1,374	1,154	3,418	361
<b>271,451</b>	<b>10,817,228</b>	<b>487,660</b>	<b>52,505</b>	<b>46,616</b>	<b>66,323</b>	<b>26,078</b>	<b>70,432</b>	<b>11,283</b>
183,847	6,664,758	339,827	29,111	28,863	37,212	18,241	45,236	4,975
21,843	706,318	31,773	2,756	5,884	4,137	438	3,435	467
14,620	886,042	53,050	4,074	7,350	6,089	2,835	5,542	1,071
9,871	910,770	3,614	2,125	5,539	3,361	1,733	7,692	2,100
16,557	756,900	24,872	5,539	3,361	3,361	1,733	7,692	1,030
<b>246,738</b>	<b>9,924,788</b>	<b>453,136</b>	<b>43,605</b>	<b>46,065</b>	<b>50,799</b>	<b>23,247</b>	<b>61,905</b>	<b>9,643</b>
<b>24,713</b>	<b>892,440</b>	<b>34,524</b>	<b>8,900</b>	<b>551</b>	<b>15,524</b>	<b>2,831</b>	<b>8,527</b>	<b>1,640</b>
1,745	60,158	5,068	431	384	488	179	607	114

## Municipal Electrical Utilities Financial

Municipality.....	Markdale	Markham	Marmora	Martintown	Massey	Maxville
Population.....	1,099	7,694	1,264	377	1,221	776
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	83,796	766,505	124,207	36,184	110,201	96,486
Accumulated depreciation.....	17,725	143,967	50,644	13,346	19,902	21,880
Net fixed assets.....	66,071	622,538	73,563	22,838	90,299	74,606
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	20,039	60,653	7,039	7,252	9,577	12,105
Short-term investments.....						5,250
Investment in government securities	6,000		3,000		10,000	1,500
Accounts receivable (net).....	2,694	13,024	690	3,496	2,312	631
Total current assets.....	28,733	73,677	10,729	10,748	21,889	19,486
<b>OTHER ASSETS</b>						
Inventory of stores.....	294	2,767	2,130		349	
Sinking fund on local debentures.....						
Miscellaneous.....	9,695	5,353			2,598	300
Total other assets.....	9,989	8,120	2,130		2,947	300
Equity in Ontario Hydro Systems.....	83,767	246,054	77,037	18,111	13,623	67,082
<b>Total.....</b>	<b>188,560</b>	<b>950,389</b>	<b>163,459</b>	<b>51,697</b>	<b>128,758</b>	<b>161,474</b>
<b>LIABILITIES</b>						
Debentures outstanding.....		141,893			24,400	
Accounts payable.....	25	13,986	130	124	778	4,126
Other.....	814	41,348	845	87	1,741	994
Total liabilities.....	839	197,227	975	211	26,919	5,120
<b>RESERVES</b>						
Equity in Ontario Hydro Systems.....	83,767	246,054	77,037	18,111	13,623	67,082
Other.....						
Total reserves.....	83,767	246,054	77,037	18,111	13,623	67,082
<b>CAPITAL</b>						
Debentures redeemed.....	6,370	52,829	15,092	5,347	20,600	13,642
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds.....	97,584	339,690	70,355	28,028	67,616	73,915
Contributed capital.....		114,589				1,715
Total capital.....	103,954	507,108	85,447	33,375	88,216	89,272
<b>Total.....</b>	<b>188,560</b>	<b>950,389</b>	<b>163,459</b>	<b>51,697</b>	<b>128,758</b>	<b>161,474</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	55,976	365,189	55,256	10,464	49,424	44,032
Other.....	497	9,200	843	333	503	460
<b>Total revenue.....</b>	<b>56,473</b>	<b>374,389</b>	<b>56,099</b>	<b>10,797</b>	<b>49,927</b>	<b>44,492</b>
<b>EXPENSE</b>						
Power purchased.....	37,416	264,691	35,671	6,701	24,532	27,253
Local generation.....						
Operation and maintenance.....	2,361	12,833	7,117	1,039	4,930	3,087
Administration.....	3,192	34,548	4,020	1,297	6,900	2,285
Fixed charges—interest and principal		19,845			3,902	
—depreciation.....	2,731	22,031	4,273	1,163	2,830	2,713
—other.....						
<b>Total expense.....</b>	<b>45,700</b>	<b>353,948</b>	<b>51,081</b>	<b>10,200</b>	<b>43,094</b>	<b>35,338</b>
<b>Net income or net expense.....</b>	<b>10,773</b>	<b>20,441</b>	<b>5,018</b>	<b>597</b>	<b>6,833</b>	<b>9,154</b>
Number of customers.....	478	2,238	504	124	362	320

Statements for the Year Ended December 31, 1966

McGarry Twp. 1,829	Meaford 3,781	Merlin 639	Merrick- ville 893	Midland 9,815	Mildmay 915	Millbrook 931	Milton 6,407	Milverton 1,099
\$ 90,081 28,609	\$ 334,654 107,383	\$ 86,679 36,792	\$ 88,888 16,183	\$ 912,249 382,743	\$ 70,728 12,025	\$ 93,584 23,259	\$ 790,423 247,239	\$ 130,829 28,916
61,472	227,271	49,887	72,705	529,506	58,703	70,325	543,184	101,913
20,199	49,768	5,646	10,312	18,481	5,888	7,833	96,301	4,926
10,000	26,250	26,250		7,500	5,000	100,000	16,500	
2,203	15,969	309	1,944	27,752	230	629	4,462	277
32,402	65,737	32,205	12,256	46,233	13,618	13,462	200,763	21,703
	12,288	213	27,717				2,324	326
430	5,365	161	529	897			4,876	46
430	17,653	374	529	28,614			7,200	372
24,046	332,109	55,205	33,238	1,179,036	53,670	42,261	547,107	176,585
118,350	642,770	137,671	118,728	1,783,389	125,991	126,048	1,298,254	300,573
			6,400				44,809	7,600
48	12,881	596	980	3,670	67	1,011	11,309	428
3,217	9,122	296	1,170	3,401	441	1,163	8,420	976
3,265	22,003	892	8,550	7,071	508	2,174	64,538	9,004
24,046	332,109	55,205	33,238	1,179,036	53,670	42,261	547,107	176,585
24,046	332,109	55,205	33,238	1,179,036	53,670	42,261	547,107	176,585
13,782	47,725	13,122	18,600	111,945	12,304	9,000	79,053	16,660
77,257	240,933	68,452	54,915	485,337	59,509	66,863	607,556	94,789
			3,425			5,750		3,535
91,039	288,658	81,574	76,940	597,282	71,813	81,613	686,609	114,984
118,350	642,770	137,671	118,728	1,783,389	125,991	126,048	1,298,254	300,573
49,160	200,633	32,185	40,340	500,034	41,326	37,764	366,083	70,308
833	4,393	2,246	57	3,534	705	2,399	24,085	1,117
49,993	205,026	34,431	40,397	503,568	42,031	40,163	390,168	71,425
30,772	135,875	17,759	26,877	410,446	25,030	22,574	239,782	43,735
2,691	10,870	2,002	2,124	34,736	5,768	2,829	15,514	10,155
7,161	22,387	5,799	3,016	33,008	3,602	3,705	36,131	8,031
			1,777				7,209	1,169
2,928	10,512	2,738	2,458	28,695	2,122	4,100	28,165	3,288
43,552	179,644	28,298	36,252	506,885	36,522	33,208	326,801	66,378
6,441	25,382	6,133	4,145	3,317	5,509	6,955	63,367	5,047
382	1,620	270	367	3,163	336	340	1,886	501

## Municipal Electrical Utilities Financial

Municipality.....	Mimico	Mitchell	Moorefield	Morrisburg	Mount Brydges	Mount Forest
Population.....	18,700	2,414	319	1,978	1,109	2,802
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	1,319,868	417,434	33,457	263,438	94,654	282,188
Accumulated depreciation.....	384,304	111,780	11,140	66,137	15,830	70,944
Net fixed assets.....	935,564	305,654	22,317	197,301	78,824	211,244
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	105,942	150	2,961	22,664	16,925	8,934
Short-term investments.....		25,000				
Investment in government securities	65,000		1,000	11,000		15,000
Accounts receivable (net).....	56,061	12,151	249	2,056	1,413	2,589
Total current assets.....	227,003	37,301	4,210	35,720	18,338	26,523
<b>OTHER ASSETS</b>						
Inventory of stores.....	18,934	14,306		10,287		6,976
Sinking fund on local debentures.....						
Miscellaneous.....	36,538	401			231	
Total other assets.....	55,472	14,707		10,287	231	6,976
Equity in Ontario Hydro Systems....	995,068	264,721	35,827	116,378	48,497	241,462
<b>Total.....</b>	<b>2,213,107</b>	<b>622,383</b>	<b>62,354</b>	<b>359,686</b>	<b>145,890</b>	<b>486,205</b>
<b>LIABILITIES</b>						
Debentures outstanding.....	41,500	42,200			11,500	
Accounts payable.....	3,369	390	66	1,276	7	503
Other.....	49,493	2,053	7	2,800	1,040	2,236
Total liabilities.....	94,362	44,643	73	4,076	12,547	2,739
<b>RESERVES</b>						
Equity in Ontario Hydro Systems..	995,068	264,721	35,827	116,378	48,497	241,462
Other.....						
Total reserves.....	995,068	264,721	35,827	116,378	48,497	241,462
<b>CAPITAL</b>						
Debentures redeemed.....	208,854	39,909	4,500	31,636	7,596	21,627
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds..	898,814	272,406	21,954	107,052	77,250	220,377
Contributed capital.....	16,009	704		100,544		
Total capital.....	1,123,677	313,019	26,454	239,232	84,846	242,004
<b>Total.....</b>	<b>2,213,107</b>	<b>622,383</b>	<b>62,354</b>	<b>359,686</b>	<b>145,890</b>	<b>486,205</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	545,197	167,544	20,636	101,846	39,003	136,899
Other.....	33,119	8,633	218	3,117	519	1,598
<b>Total revenue.....</b>	<b>578,316</b>	<b>176,177</b>	<b>20,854</b>	<b>104,963</b>	<b>39,522</b>	<b>138,497</b>
<b>EXPENSE</b>						
Power purchased.....	404,478	101,557	15,772	63,799	21,116	94,829
Local generation.....						
Operation and maintenance.....	45,180	12,367	932	10,651	2,343	7,743
Administration.....	102,161	22,933	911	14,478	3,821	13,391
Fixed charges—interest and principal	9,171	4,843			1,348	
—depreciation.....	35,312	13,251	1,151	6,954	2,750	6,798
—other.....						
<b>Total expense.....</b>	<b>596,302</b>	<b>154,951</b>	<b>18,766</b>	<b>95,882</b>	<b>31,378</b>	<b>122,761</b>
<b>Net income or net expense.....</b>	<b>17,986</b>	<b>21,226</b>	<b>2,088</b>	<b>9,081</b>	<b>8,144</b>	<b>15,736</b>
Number of customers.....	7,169	987	145	752	402	1,170



## Statements for the Year Ended December 31, 1966

Napanee 4,591	Nepean Twp. 45,793	Neustadt 575	Newboro 271	Newburgh 559	Newbury 352	Newcastle 1,506	New Hamburg 2,430	Newmarket 8,814
\$ 518,423 180,963	\$ 4,940,174 796,715	\$ 39,497 18,756	\$ 44,754 10,642	\$ 89,220 29,249	\$ 36,204 10,585	\$ 186,849 60,433	\$ 264,033 57,873	\$ 997,123 264,877
337,460	4,143,459	20,741	34,112	59,971	25,619	126,416	206,160	732,246
83,669	15,607	2,620	1,569	4,431	2,547	5,160	14,213	35,001
.....	550,000	.....	.....	.....	.....	.....	.....	63,355
22,000	.....	5,000	2,000	.....	.....	4,000	.....	.....
6,751	200,441	1,194	198	1,002	342	3,959	1,388	45,418
112,420	766,048	8,814	3,767	5,433	2,889	13,119	15,601	143,774
7,905	138,186	.....	.....	.....	30	4,730	1,171	2,834
1,171	82,326	.....	1,779	.....	69	296	1,579	3,617
9,076	220,512	.....	1,779	.....	99	5,026	2,750	6,451
447,394	667,302	37,651	7,339	19,090	22,749	79,511	237,851	468,186
<b>906,350</b>	<b>5,797,321</b>	<b>67,206</b>	<b>46,997</b>	<b>84,494</b>	<b>51,356</b>	<b>224,072</b>	<b>462,362</b>	<b>1,350,657</b>
.....	4,125,000	.....	3,232	.....	.....	14,000	4,000	31,920
28	64,313	.....	109	2,676	1	5,603	284	7,504
8,679	162,148	164	54	254	.....	969	854	22,270
8,707	4,351,461	164	3,395	2,930	1	20,572	5,138	61,694
447,394	667,302	37,651	7,339	19,090	22,749	79,511	237,851	468,186
.....	.....	.....	.....	.....	.....	.....	.....	.....
447,394	667,302	37,651	7,339	19,090	22,749	79,511	237,851	468,186
70,000	175,000	15,504	13,768	14,000	9,754	22,801	28,264	62,944
.....	.....	.....	.....	.....	.....	.....	.....	.....
380,249	560,319	13,887	19,526	42,630	18,627	101,188	191,109	757,833
.....	43,239	.....	2,969	5,844	225	.....	.....	.....
450,249	778,558	29,391	36,263	62,474	28,606	123,989	219,373	820,777
<b>906,350</b>	<b>5,797,321</b>	<b>67,206</b>	<b>46,997</b>	<b>84,494</b>	<b>51,356</b>	<b>224,072</b>	<b>462,362</b>	<b>1,350,657</b>
224,704	2,323,528	21,413	12,842	23,558	10,072	75,203	120,550	515,488
42,373	108,268	48	254	724	111	3,164	1,988	11,345
<b>267,077</b>	<b>2,431,796</b>	<b>21,461</b>	<b>13,096</b>	<b>24,282</b>	<b>10,183</b>	<b>78,367</b>	<b>122,538</b>	<b>526,833</b>
148,783	1,439,166	17,708	5,972	12,983	5,810	47,555	78,831	370,626
.....	.....	.....	.....	.....	.....	.....	.....	.....
16,248	106,609	872	901	1,309	907	4,330	7,572	23,802
51,213	200,278	2,186	1,588	2,844	1,112	9,267	12,038	48,231
.....	313,079	.....	1,143	.....	.....	1,950	1,205	6,445
16,593	140,602	1,506	1,373	3,162	1,141	7,545	7,926	29,224
.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>232,837</b>	<b>2,199,734</b>	<b>22,272</b>	<b>10,977</b>	<b>20,298</b>	<b>8,970</b>	<b>70,647</b>	<b>107,572</b>	<b>478,328</b>
<b>34,240</b>	<b>232,062</b>	<b>811</b>	<b>2,119</b>	<b>3,984</b>	<b>1,213</b>	<b>7,720</b>	<b>14,966</b>	<b>48,505</b>
1,795	12,904	221	166	195	145	586	825	2,976

## Municipal Electrical Utilities Financial

Municipality.....	New Toronto 12,099	Niagara 2,936	Niagara Falls 54,340	Nipigon Twp. 2,666	North Bay 22,662	North York Twp. 390,456
Population.....						
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Plant and facilities at cost.....	1,358,345	360,651	7,184,640	246,968	2,455,580	40,851,385
Accumulated depreciation.....	357,978	99,962	1,702,369	78,457	764,760	7,953,647
Net fixed assets.....	1,000,367	260,689	5,482,271	168,511	1,690,820	32,897,738
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	84,910	20,857	18,383	10,298	69,542	813,843
Short-term investments.....						1,400,000
Investment in government securities	105,000	10,000	63,000	8,500	490,000	15,350
Accounts receivable (net).....	22,127	2,836	230,134	1,988	38,359	1,105,660
Total current assets.....	212,037	33,693	311,517	20,786	597,901	3,334,853
<b>OTHER ASSETS</b>						
Inventory of stores.....	35,341	12,416	226,456	613	46,142	761,556
Sinking fund on local debentures...						2,247,869
Miscellaneous.....		598	38,695		11,127	260,243
Total other assets.....	35,341	13,014	265,151	613	57,269	3,269,668
Equity in Ontario Hydro Systems....	3,261,181	233,606	4,354,345	163,962	397,826	10,806,742
<b>Total.....</b>	<b>4,508,926</b>	<b>541,002</b>	<b>10,413,284</b>	<b>353,872</b>	<b>2,743,816</b>	<b>50,309,001</b>
<b>LIABILITIES</b>						
Debentures outstanding.....		14,858	1,013,681		292,000	11,506,515
Accounts payable.....		422	137,361	253	14,613	616,921
Other.....	24,102	3,872	183,991	2,586	145,598	1,118,920
Total liabilities.....	24,102	19,152	1,335,033	2,839	452,211	13,242,356
<b>RESERVES</b>						
Equity in Ontario Hydro Systems...	3,261,181	233,606	4,354,345	163,962	397,826	10,806,742
Other.....					1,369	
Total reserves.....	3,261,181	233,606	4,354,345	163,962	399,195	10,806,742
<b>CAPITAL</b>						
Debentures redeemed.....	8,000	65,650	1,616,150	10,000	440,158	4,032,220
Local sinking fund.....						2,247,869
Accumulated net income invested in plant or held as working funds.	1,215,643	218,594	2,968,492	177,071	1,452,252	19,136,875
Contributed capital.....		4,000	139,264			842,939
Total capital.....	1,223,643	288,244	4,723,906	187,071	1,892,410	26,259,903
<b>Total.....</b>	<b>4,508,926</b>	<b>541,002</b>	<b>10,413,284</b>	<b>353,872</b>	<b>2,743,816</b>	<b>50,309,001</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	1,583,029	135,806	2,638,469	122,064	1,147,043	19,519,330
Other.....	21,679	4,973	23,200	5,481	54,658	713,101
<b>Total revenue.....</b>	<b>1,604,708</b>	<b>140,779</b>	<b>2,661,669</b>	<b>127,545</b>	<b>1,201,701</b>	<b>20,232,431</b>
<b>EXPENSE</b>						
Power purchased.....	1,403,846	75,518	1,700,477	83,767	660,750	12,946,433
Local generation.....						
Operation and maintenance.....	53,869	19,937	341,569	12,656	115,367	1,053,073
Administration.....	110,549	14,848	294,666	24,496	145,100	1,379,183
Fixed charges—interest and principal		2,568	113,846		39,795	1,231,284
—depreciation.....	34,512	11,416	177,660	7,938	80,370	1,316,216
—other.....						
<b>Total expense.....</b>	<b>1,602,776</b>	<b>124,287</b>	<b>2,628,218</b>	<b>128,857</b>	<b>1,041,382</b>	<b>17,926,189</b>
<b>Net income or net expense.....</b>	<b>1,932</b>	<b>16,492</b>	<b>33,451</b>	<b>1,312</b>	<b>160,319</b>	<b>2,306,242</b>
Number of customers.....	4,177	1,213	17,264	790	8,136	116,978

## Statements for the Year Ended December 31, 1966

Norwich	Norwood	Oakville	Oil Springs	Omemece	Orangeville	Orillia	Orono	Oshawa
1,672	1,092	52,560	523	808	5,647	14,902	1,000	77,126
\$ 154,270 61,177	\$ 136,085 53,166	\$ 7,949,485 1,776,166	\$ 85,671 25,493	\$ 96,196 36,102	\$ 596,139 131,973	\$ 6,096,130 1,481,009	\$ 123,692 26,295	\$ 11,029,480 2,979,724
93,093	82,919	6,173,319	60,178	60,094	464,166	4,615,121	97,397	8,049,756
21,921	9,990	.....	7,422	636	8,297	500	20	124,581
.....	.....	540,000	.....	.....	.....	.....	.....	99,856
7,500	23,000	.....	11,000	5,500	.....	19,314	2,500	400,000
2,659	1,954	157,183	216	1,153	2,339	84,950	13,498	491,518
32,080	34,944	697,183	18,638	7,289	10,636	104,764	16,018	1,115,955
6,154	.....	149,182	397	2,853	10,827	70,250	3,462	387,102
.....	.....	94,720	.....	316	1,862	.....	810	52,972
6,154	.....	243,902	397	3,169	12,689	70,250	4,272	440,074
163,352	70,033	2,373,841	82,841	43,652	385,640	314,600	42,872	6,647,659
<b>294,679</b>	<b>187,896</b>	<b>9,488,245</b>	<b>162,054</b>	<b>114,204</b>	<b>873,131</b>	<b>5,104,735</b>	<b>160,559</b>	<b>16,253,444</b>
.....	.....	2,842,171	.....	.....	63,500	724,000	32,600	1,231,000
35	966	212,505	851	178	4,731	305,683	4,426	457,889
1,459	1,048	199,237	372	417	28,303	218,741	6,930	133,170
1,494	2,014	3,253,913	1,223	595	96,534	1,248,424	43,956	1,822,059
163,352	70,033	2,373,841	82,841	43,652	385,640	314,600	42,872	6,647,659
.....	.....	.....	.....	.....	.....	20,248	.....	.....
163,352	70,033	2,373,841	82,841	43,652	385,640	334,848	42,872	6,647,659
13,756	55,100	985,055	16,721	12,000	32,094	2,263,000	10,341	619,622
.....	.....	.....	.....	.....	.....	.....	.....	.....
113,290	57,367	2,685,570	61,269	56,257	349,873	1,087,893	63,390	6,774,177
2,787	3,382	189,866	.....	1,700	8,990	170,570	.....	389,927
129,833	115,849	3,860,491	77,990	69,957	390,957	3,521,463	73,731	7,783,726
<b>294,679</b>	<b>187,896</b>	<b>9,488,245</b>	<b>162,054</b>	<b>114,204</b>	<b>873,131</b>	<b>5,104,735</b>	<b>160,559</b>	<b>16,253,444</b>
65,928	42,524	5,039,423	24,374	36,377	290,169	919,189	51,802	5,186,800
3,294	3,137	166,729	1,601	1,261	6,614	9,985	1,022	281,876
<b>69,222</b>	<b>45,661</b>	<b>5,206,152</b>	<b>25,975</b>	<b>37,638</b>	<b>296,783</b>	<b>929,174</b>	<b>52,824</b>	<b>5,468,676</b>
36,374	28,775	4,075,284	14,164	20,393	185,882	334,829	32,220	4,076,605
.....	.....	.....	.....	.....	.....	153,601	.....	.....
8,635	2,733	233,351	859	5,919	15,536	82,808	2,711	312,104
9,551	3,895	244,314	4,632	3,766	34,480	111,950	8,376	387,869
.....	.....	323,990	.....	.....	6,739	135,586	3,681	101,436
5,649	5,601	266,154	2,628	3,543	18,026	133,721	3,156	415,452
.....	.....	.....	.....	.....	.....	10,000	.....	.....
<b>60,209</b>	<b>41,004</b>	<b>5,143,093</b>	<b>22,283</b>	<b>33,621</b>	<b>260,663</b>	<b>962,495</b>	<b>50,144</b>	<b>5,293,466</b>
<b>9,013</b>	<b>4,657</b>	<b>63,059</b>	<b>3,692</b>	<b>4,017</b>	<b>36,120</b>	<b>33,321</b>	<b>2,680</b>	<b>175,210</b>
683	425	14,979	249	311	2,121	5,579	393	24,845

## Municipal Electrical Utilities Financial

Municipality.....	Ottawa	Otterville	Owen Sound	Paisley	Palmerston	Paris
Population.....	315,325	769	18,074	689	1,671	6,245
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	40,713,979	78,167	2,151,379	78,227	261,419	749,106
Accumulated depreciation.....	8,817,635	27,383	627,328	19,898	72,046	233,238
Net fixed assets.....	31,896,344	50,784	1,524,051	58,329	189,373	515,868
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	373,298	6,139	69,462	5,090	16,104	58,309
Short-term investments.....						
Investment in government securities	355,000		70,000	21,000		
Accounts receivable (net).....	1,115,377	325	100,470	2,888	5,238	2,988
Total current assets.....	1,843,675	6,464	239,932	28,978	21,342	61,297
<b>OTHER ASSETS</b>						
Inventory of stores.....	814,371		45,671	25	387	904
Sinking fund on local debentures...						
Miscellaneous.....	1,909		6,469	4,673	176	1,611
Total other assets.....	816,280		52,140	4,698	563	2,515
Equity in Ontario Hydro Systems...	12,340,541	53,895	1,646,984	72,954	212,543	567,328
<b>Total.....</b>	<b>46,896,840</b>	<b>111,143</b>	<b>3,463,107</b>	<b>164,959</b>	<b>423,821</b>	<b>1,147,008</b>
<b>LIABILITIES</b>						
Debentures outstanding.....	2,554,000				9,000	66,949
Accounts payable.....	1,388,077	51	14,554	491	7,613	1,783
Other.....		280	14,333	440	2,810	6,588
Total liabilities.....	3,942,077	331	28,887	931	19,423	75,320
<b>RESERVES</b>						
Equity in Ontario Hydro Systems..	12,340,541	53,895	1,646,984	72,954	212,543	567,328
Other.....	266,924					
Total reserves.....	12,607,465	53,895	1,646,984	72,954	212,543	567,328
<b>CAPITAL</b>						
Debentures redeemed.....	7,336,698	4,500	208,372	13,623	33,000	132,657
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds.	19,803,524	52,417	1,578,864	77,451	139,993	371,703
Contributed capital.....	3,207,076				18,862	
Total capital.....	30,347,298	56,917	1,787,236	91,074	191,855	504,360
<b>Total.....</b>	<b>46,896,840</b>	<b>111,143</b>	<b>3,463,107</b>	<b>164,959</b>	<b>423,821</b>	<b>1,147,008</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	15,549,227	27,955	835,534	34,166	87,823	302,608
Other.....	435,135	440	46,218	1,096	243	3,812
<b>Total revenue.....</b>	<b>15,984,362</b>	<b>28,395</b>	<b>881,752</b>	<b>35,262</b>	<b>88,066</b>	<b>306,420</b>
<b>EXPENSE</b>						
Power purchased.....	10,141,223	16,529	564,119	19,387	50,279	198,411
Local generation.....	271,348					
Operation and maintenance.....	1,359,455	1,974	70,178	2,067	8,270	27,918
Administration.....	893,028	2,600	90,900	5,175	11,310	22,309
Fixed charges—interest and principal	561,315				1,612	9,043
—depreciation.....	1,144,127	2,794	72,093	2,104	7,151	22,604
—other.....	72,700					
<b>Total expense.....</b>	<b>14,443,196</b>	<b>23,897</b>	<b>797,290</b>	<b>28,733</b>	<b>78,622</b>	<b>280,285</b>
<b>Net income or net expense.....</b>	<b>1,541,166</b>	<b>4,498</b>	<b>84,462</b>	<b>6,529</b>	<b>9,444</b>	<b>26,135</b>
Number of customers.....	99,530	283	6,235	334	675	2,184



## Statements for the Year Ended December 31, 1966

Parkhill 1,084	Parry Sound 5,868	Penetang- uishene 5,055	Perth 5,521	Peter- borough 54,064	Petrolia 3,667	Pickering 1,908	Picton 4,835	Planta- genet 860
\$ 169,578 44,172	\$ 1,136,563 326,303	\$ 386,947 144,026	\$ 638,702 220,650	\$ 8,877,250 2,883,220	\$ 512,222 169,747	\$ 163,842 46,141	\$ 629,396 199,200	\$ 89,335 24,322
125,406	810,260	242,921	418,052	5,994,030	342,475	117,701	430,196	65,013
16,390	11,090	.....	54,985	132,403	28,407	5,155	16,742	11,946
6,000	16,500	35,000	10,000	.....	15,000	18,000	1,000	.....
4,452	6,699	3,197	8,024	246,593	16,089	3,343	2,827	4,661
26,842	34,289	38,197	73,009	378,996	59,496	26,498	20,569	16,607
2,360	11,696	886	16,837	74,944	25,334	71	21,553	.....
310	2,840	953	.....	26,393	.....	2,534	2,256	2,986
2,670	14,536	1,839	16,837	101,337	25,334	2,605	23,809	2,986
126,220	156,540	346,298	552,037	4,217,137	416,681	32,832	494,651	20,547
<b>281,138</b>	<b>1,015,625</b>	<b>629,255</b>	<b>1,059,935</b>	<b>10,691,500</b>	<b>843,986</b>	<b>179,636</b>	<b>969,225</b>	<b>105,153</b>
3,600	44,000	.....	.....	1,623,800	.....	54,000	48,000	52,000
1,342	482	5,589	.....	222,201	2,708	2,047	2,739	270
1,136	8,536	2,483	95	12,811	6,520	1,526	12,832	3,678
6,078	53,018	8,072	95	1,858,812	9,228	57,573	63,571	55,948
126,220	156,540	346,298	552,037	4,217,137	416,681	32,832	494,651	20,547
.....	2,309	.....	.....	.....	.....	.....	.....	.....
126,220	158,849	346,298	552,037	4,217,137	416,681	32,832	494,651	20,547
26,231	424,500	36,983	85,045	1,294,811	50,000	19,001	65,182	3,000
.....	.....	.....	.....	.....	.....	.....	.....	.....
122,609	379,258	237,902	404,859	3,240,880	368,077	70,010	345,821	24,092
.....	.....	.....	17,899	79,860	.....	220	.....	1,566
148,840	803,758	274,885	507,803	4,615,551	418,077	89,231	411,003	28,658
<b>281,138</b>	<b>1,015,625</b>	<b>629,255</b>	<b>1,059,935</b>	<b>10,691,500</b>	<b>843,986</b>	<b>179,636</b>	<b>969,225</b>	<b>105,153</b>
76,281	320,525	166,732	294,869	3,068,701	205,703	74,882	255,779	50,207
1,877	15,923	4,121	4,157	133,446	2,389	4,092	2,117	2,700
<b>78,158</b>	<b>336,448</b>	<b>170,853</b>	<b>299,026</b>	<b>3,202,147</b>	<b>208,092</b>	<b>78,974</b>	<b>257,896</b>	<b>52,907</b>
42,352	144,876	123,017	196,764	2,036,135	95,730	48,022	166,414	28,699
.....	39,149	.....	.....	.....	.....	.....	.....	.....
8,263	37,700	12,386	16,735	295,981	28,471	5,199	23,719	1,688
9,612	31,267	15,915	26,089	292,815	37,839	7,806	23,846	3,616
1,038	6,040	.....	.....	193,054	.....	7,198	3,688	5,069
5,294	31,941	12,620	18,599	293,000	12,941	6,809	17,642	3,360
.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>66,559</b>	<b>290,973</b>	<b>163,938</b>	<b>258,187</b>	<b>3,110,985</b>	<b>174,981</b>	<b>75,034</b>	<b>235,309</b>	<b>42,432</b>
<b>11,599</b>	<b>45,475</b>	<b>6,915</b>	<b>40,839</b>	<b>91,162</b>	<b>33,111</b>	<b>3,940</b>	<b>22,587</b>	<b>10,475</b>
509	2,167	1,447	2,137	17,412	1,427	565	1,942	243

## Municipal Electrical Utilities Financial

Municipality.....	Plattsville	Point Edward	Port Arthur	Port Burwell	Port Colborne	Port Credit
Population.....	524	2,833	46,391	669	17,831	7,892
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	60,532	344,684	7,338,019	100,991	1,748,836	1,057,083
Accumulated depreciation.....	11,818	100,785	2,472,687	44,673	395,905	233,419
Net fixed assets.....	48,714	243,899	4,865,332	56,318	1,352,931	823,664
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	15,820	51,627	490,698	10,967	52,192	660
Short-term investments.....	10,000	.....	525,000	.....	25,000	60,000
Investment in government securities	4,500	5,000	99,208	.....	10,000	13,500
Accounts receivable (net).....	334	4,738	322,873	682	8,102	11,941
Total current assets.....	30,654	61,365	1,437,779	11,649	95,294	86,101
<b>OTHER ASSETS</b>						
Inventory of stores.....	71	218	175,563	110	25,474	15,319
Sinking fund on local debentures.....	.....	.....	.....	.....	.....	.....
Miscellaneous.....	.....	661	26,482	919	8,862	11,141
Total other assets.....	71	879	202,045	1,029	34,336	26,460
Equity in Ontario Hydro Systems.....	73,049	537,039	11,784,387	30,092	932,191	788,416
<b>Total.....</b>	<b>152,488</b>	<b>843,182</b>	<b>18,289,543</b>	<b>99,088</b>	<b>2,414,752</b>	<b>1,724,641</b>
<b>LIABILITIES</b>						
Debentures outstanding.....	.....	.....	265,000	21,800	225,776	26,700
Accounts payable.....	298	12,004	288,648	161	2,629	11,170
Other.....	.....	2,962	.....	3,330	23,051	8,791
Total liabilities.....	298	14,966	553,648	25,291	251,456	46,661
<b>RESERVES</b>						
Equity in Ontario Hydro Systems..	73,049	537,039	11,784,387	30,092	932,191	788,416
Other.....	.....	.....	102,175	.....	.....	.....
Total reserves.....	73,049	537,039	11,886,562	30,092	932,191	788,416
<b>CAPITAL</b>						
Debentures redeemed.....	5,237	17,000	711,317	18,200	289,884	110,013
Local sinking fund.....	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds..	73,904	274,177	5,062,976	25,505	935,601	773,464
Contributed capital.....	.....	.....	75,040	.....	5,620	6,087
Total capital.....	79,141	291,177	5,849,333	43,705	1,231,105	889,564
<b>Total.....</b>	<b>152,488</b>	<b>843,182</b>	<b>18,289,543</b>	<b>99,088</b>	<b>2,414,752</b>	<b>1,724,641</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	47,536	328,416	2,819,524	33,079	910,923	874,516
Other.....	1,147	4,016	109,449	108	10,424	17,891
<b>Total revenue.....</b>	<b>48,683</b>	<b>332,432</b>	<b>2,928,973</b>	<b>33,187</b>	<b>921,347</b>	<b>892,407</b>
<b>EXPENSE</b>						
Power purchased.....	34,261	274,437	1,708,555	12,396	648,903	741,346
Local generation.....	.....	.....	16,539	.....	.....	.....
Operation and maintenance.....	1,147	9,320	216,364	6,500	74,152	24,538
Administration.....	1,142	25,108	229,612	4,343	95,579	54,495
Fixed charges—interest and principal	.....	34	35,330	2,960	22,637	3,266
—depreciation.....	1,799	10,217	225,104	3,256	47,807	33,510
—other.....	.....	.....	.....	.....	.....	.....
<b>Total expense.....</b>	<b>38,349</b>	<b>319,116</b>	<b>2,431,504</b>	<b>29,455</b>	<b>889,078</b>	<b>857,155</b>
<b>Net income or net expense.....</b>	<b>10,334</b>	<b>13,316</b>	<b>497,469</b>	<b>3,732</b>	<b>32,269</b>	<b>35,252</b>
Number of customers.....	212	898	14,624	458	5,528	2,756

## Statements for the Year Ended December 31, 1966

Port Dover	Port Elgin	Port Hope	Port McNicoll	Port Perry	Port Rowan	Port Stanley	Prescott	Preston
3,213	2,050	8,612	1,212	2,623	791	1,419	5,390	13,446
\$ 402,819 129,556	\$ 337,296 66,834	\$ 1,123,579 381,880	\$ 130,897 27,958	\$ 226,371 52,307	\$ 94,746 22,149	\$ 227,830 104,057	\$ 472,832 165,293	\$ 1,726,548 503,137
273,263	270,462	741,699	102,939	174,064	72,597	123,773	307,539	1,223,411
32,240	3,546	76,552	102	541	8,465	19,413	16,284	64,233
20,000	.....	.....	.....	.....	.....	.....	.....	45,000
.....	.....	.....	25,775	7,000	.....	9,000	20,000	.....
3,440	6,323	4,007	6,567	5,063	607	4,737	4,641	14,288
55,680	9,869	80,559	32,444	12,604	9,072	33,150	40,925	123,521
180	1,783	42,186	1,395	2,279	45	609	8,839	52,357
521	9,270	1,040	6,924	2,600	110	.....	.....	5,935
701	11,053	43,226	8,319	4,879	155	609	8,839	58,292
239,578	172,892	848,628	102,919	161,512	49,496	211,654	413,376	1,309,160
<b>569,222</b>	<b>464,276</b>	<b>1,714,112</b>	<b>246,621</b>	<b>353,059</b>	<b>131,320</b>	<b>369,186</b>	<b>770,679</b>	<b>2,714,384</b>
48,286	.....	3,000	.....	.....	6,450	.....	.....	87,460
1,799	11,112	7,173	5,751	8,788	4,907	594	4,990	4,776
10,255	.....	37,819	782	2,927	896	1,560	5,156	17,786
60,340	11,112	47,992	6,533	11,715	12,253	2,154	10,146	110,022
239,578	172,892	848,628	102,919	161,512	49,496	211,654	413,376	1,309,160
.....	.....	.....	.....	.....	.....	.....	.....	.....
239,578	172,892	848,628	102,919	161,512	49,496	211,654	413,376	1,309,160
60,241	37,787	241,000	9,804	19,882	11,550	18,950	23,981	388,823
.....	.....	.....	.....	.....	.....	.....	.....	.....
209,063	242,485	576,492	127,365	158,678	58,021	135,503	307,922	892,839
.....	.....	.....	.....	1,272	.....	925	15,254	13,540
269,304	280,272	817,492	137,169	179,832	69,571	155,378	347,157	1,295,202
<b>569,222</b>	<b>464,276</b>	<b>1,714,112</b>	<b>246,621</b>	<b>353,059</b>	<b>131,320</b>	<b>369,186</b>	<b>770,679</b>	<b>2,714,384</b>
182,807	152,873	508,754	63,059	116,271	27,293	88,724	231,614	721,463
4,165	3,022	15,595	3,452	2,805	600	1,229	10,562	10,777
<b>186,972</b>	<b>155,895</b>	<b>524,349</b>	<b>66,511</b>	<b>119,076</b>	<b>27,893</b>	<b>89,953</b>	<b>242,176</b>	<b>732,240</b>
103,457	82,849	339,319	46,454	77,812	14,255	42,699	161,413	474,331
.....	.....	.....	.....	.....	.....	.....	.....	.....
18,225	14,088	49,786	6,437	8,449	3,213	16,872	10,358	61,546
14,017	16,654	61,082	7,360	10,373	2,083	11,654	22,036	51,148
6,561	.....	3,193	.....	.....	945	.....	.....	19,010
13,467	9,438	36,332	3,490	7,528	2,615	7,485	17,890	53,484
.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>155,727</b>	<b>123,029</b>	<b>489,712</b>	<b>63,741</b>	<b>104,162</b>	<b>23,111</b>	<b>78,710</b>	<b>211,697</b>	<b>659,519</b>
<b>31,245</b>	<b>32,866</b>	<b>34,637</b>	<b>2,770</b>	<b>14,914</b>	<b>4,782</b>	<b>11,243</b>	<b>30,479</b>	<b>72,721</b>
1,533	1,208	2,982	583	1,007	353	1,169	1,897	4,079

## Municipal Electrical Utilities Financial

Municipality.....	Priceville	Princeton	Queenston	Rainy River	Red Rock	Renfrew
Population.....	152	431	567	1,127	1,904	8,989
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	19,410	38,231	54,758	115,414	126,113	1,729,516
Accumulated depreciation.....	7,698	11,659	14,760	63,923	44,531	476,113
Net fixed assets.....	11,712	26,572	39,998	51,491	81,582	1,253,403
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	6,476	11,653	5,801	10,018		47,499
Short-term investments.....				40,000		
Investment in government securities	3,000	3,000	10,000		10,828	
Accounts receivable (net).....	139	3,208	1,184	1,686	798	4,487
Total current assets.....	9,615	17,861	16,985	51,704	11,626	51,986
<b>OTHER ASSETS</b>						
Inventory of stores.....				1,438	1,738	16,785
Sinking fund on local debentures..						
Miscellaneous.....				334	5,564	
Total other assets.....				1,772	7,302	16,785
Equity in Ontario Hydro Systems....	6,896	51,269	44,846	13,338	67,184	285,138
<b>Total.....</b>	<b>28,223</b>	<b>95,702</b>	<b>101,829</b>	<b>118,305</b>	<b>167,694</b>	<b>1,607,312</b>
<b>LIABILITIES</b>						
Debentures outstanding.....	1,300	250			1,950	100,323
Accounts payable.....	556	693	1,199	255	1,080	1,014
Other.....		423	255	410	300	11,005
Total liabilities.....	1,856	1,366	1,454	665	3,330	112,342
<b>RESERVES</b>						
Equity in Ontario Hydro Systems..	6,896	51,269	44,846	13,338	67,184	285,138
Other.....						
Total reserves.....	6,896	51,269	44,846	13,338	67,184	285,138
<b>CAPITAL</b>						
Debentures redeemed.....	10,866	5,745	9,500	26,087	29,250	670,914
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds..	8,605	37,287	45,795	78,215	67,930	538,918
Contributed capital.....		35	234			
Total capital.....	19,471	43,067	55,529	104,302	97,180	1,209,832
<b>Total.....</b>	<b>28,223</b>	<b>95,702</b>	<b>101,829</b>	<b>118,305</b>	<b>167,694</b>	<b>1,607,312</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	5,290	21,576	21,842	55,410	44,548	397,256
Other.....	271	346	1,093	2,837	1,773	2,418
<b>Total revenue.....</b>	<b>5,561</b>	<b>21,922</b>	<b>22,935</b>	<b>58,247</b>	<b>46,321</b>	<b>399,674</b>
<b>EXPENSE</b>						
Power purchased.....	2,183	13,301	16,661	27,380	35,451	217,369
Local generation.....						33,441
Operation and maintenance.....	135	686	1,290	6,719	3,759	27,154
Administration.....	728	1,578	1,393	12,987	4,621	35,023
Fixed charges—interest and principal	437	280			2,086	19,802
—depreciation.....	720	1,234	1,916	3,998	3,977	40,321
—other.....						
<b>Total expense.....</b>	<b>4,203</b>	<b>17,079</b>	<b>21,260</b>	<b>51,084</b>	<b>49,894</b>	<b>373,110</b>
<b>Net income or net expense.....</b>	<b>1,358</b>	<b>4,843</b>	<b>1,675</b>	<b>7,163</b>	<b>3,573</b>	<b>26,564</b>
Number of customers.....	76	179	184	425	367	2,951



Statements for the Year Ended December 31, 1966

Richmond 1,309	Richmond Hill 19,175	Ridgetown 2,721	Ripley 412	Rockland 3,424	Rockwood 862	Rodney 1,084	Rosseau 219	Russell 583
\$ 129,371 23,222	\$ 1,845,381 443,291	\$ 303,186 67,500	\$ 59,899 12,605	\$ 207,466 39,820	\$ 76,321 14,744	\$ 88,383 32,240	\$ 30,974 8,903	\$ 63,031 15,328
106,149	1,402,090	235,686	47,294	167,646	61,577	56,143	22,071	47,703
4,148 15,000	44,190 125,000	9,248 .....	11,913 .....	5,657 .....	1,518 .....	12,428 .....	6,962 2,500	11,347 .....
3,534	43,816	3,197	149	4,747	2,189	581	673	503
22,682	213,006	12,445	20,062	10,404	3,707	13,009	10,135	11,850
.....	24,732	1,139	.....	75	.....	90	.....	.....
.....	14,094	1,738	.....	1,911	.....	.....	.....	210
.....	38,826	2,877	.....	1,986	.....	90	.....	210
49,044	584,263	227,423	53,056	61,429	61,771	81,098	22,602	40,295
177,875	2,238,185	478,431	120,412	241,465	127,055	150,340	54,808	100,058
17,100 39 644	460,875 15,229 45,377	26,962 2,570 7,454	..... 25 410	31,000 15,118 6,092	4,377 666 669	..... 231 740	..... 62 3	..... 2,019 70
17,783	521,481	36,986	435	52,210	5,712	971	65	2,089
49,044 214	584,263 .....	227,423 .....	53,056 .....	61,429 .....	61,771 .....	81,098 .....	22,602 .....	40,295 .....
49,258	584,263	227,423	53,056	61,429	61,771	81,098	22,602	40,295
17,787	255,085	52,862	12,744	14,000	7,952	8,500	11,933	8,808
.....	.....	.....	.....	.....	.....	.....	.....	.....
90,747 2,300	869,354 8,002	161,160 .....	54,177 .....	113,826 .....	51,268 352	59,771 .....	20,208 .....	48,866 .....
110,834	1,132,441	214,022	66,921	127,826	59,572	68,271	32,141	57,674
177,875	2,238,185	478,431	120,412	241,465	127,055	150,340	54,808	100,058
55,564 1,349	841,716 45,652	147,093 1,349	25,832 308	93,876 650	31,995 539	49,650 828	10,717 306	22,439 187
56,913	887,368	148,442	26,140	94,526	32,534	50,478	11,023	22,626
41,903	577,164	82,925	14,830	64,079	20,284	25,567	5,113	16,703
.....	.....	.....	.....	.....	.....	.....	.....	.....
2,711	38,407	13,689	711	6,494	3,548	4,985	977	886
2,180	65,966	19,130	2,101	7,586	4,570	6,154	947	2,225
1,980	61,180	5,363	.....	3,975	588	.....	.....	.....
3,477	68,366	8,155	1,712	5,594	2,196	3,160	973	1,826
.....	.....	.....	.....	.....	.....	.....	.....	.....
52,251	811,083	129,262	19,354	87,728	31,186	39,866	8,010	21,640
4,662	76,285	19,180	6,786	6,798	1,348	10,612	3,013	986
402	5,411	1,126	219	891	315	448	128	214

## Municipal Electrical Utilities Financial

Municipality.....	St. Catharines	St. Clair Beach	St. George	St. Jacobs	St. Mary's	St. Thomas
Population.....	95,303	1,734	858	859	4,686	22,766
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	12,306,089	134,023	70,078	83,275	750,827	2,886,077
Accumulated depreciation.....	2,316,238	41,983	16,708	15,861	198,498	854,039
Net fixed assets.....	9,989,851	92,040	53,370	67,414	552,329	2,032,038
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	260,935	9,667	5,067	11,902	24,635	300
Short-term investments.....		25,000			25,000	50,000
Investment in government securities			6,000	2,000	42,500	35,000
Accounts receivable (net).....	2,084,887	460	177	96	4,524	101,008
Total current assets.....	2,345,822	35,127	11,247	13,998	96,659	186,308
<b>OTHER ASSETS</b>						
Inventory of stores.....	278,013		80		15,865	79,032
Sinking fund on local debentures.....						
Miscellaneous.....	62,194					3,886
Total other assets.....	340,207		80		15,865	82,918
Equity in Ontario Hydro Systems....	8,698,551	60,642	74,991	96,312	883,271	2,448,154
<b>Total.....</b>	<b>21,374,431</b>	<b>187,809</b>	<b>139,685</b>	<b>177,724</b>	<b>1,548,124</b>	<b>4,749,418</b>
<b>LIABILITIES</b>						
Debentures outstanding.....	1,512,000				17,605	168,000
Accounts payable.....	2,248,798	3,329	764	138	1,086	17,073
Other.....	125,421	360	291		7,189	68,733
Total liabilities.....	3,886,219	3,689	1,055	138	25,880	253,806
<b>RESERVES</b>						
Equity in Ontario Hydro Systems....	8,698,551	60,642	74,991	96,312	883,271	2,448,154
Other.....						
Total reserves.....	8,698,551	60,642	74,991	96,312	883,271	2,448,154
<b>CAPITAL</b>						
Debentures redeemed.....	391,709	17,694	6,000	6,000	172,602	170,680
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds.....	8,089,983	95,916	57,441	75,274	464,464	1,876,778
Contributed capital.....	307,969	9,868	198		1,907	
Total capital.....	8,789,661	123,478	63,639	81,274	638,973	2,047,458
<b>Total.....</b>	<b>21,374,431</b>	<b>187,809</b>	<b>139,685</b>	<b>177,724</b>	<b>1,548,124</b>	<b>4,749,418</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	6,358,719	59,432	36,008	44,182	730,429	1,333,405
Other.....	84,463	1,257	795	378	5,608	14,137
<b>Total revenue.....</b>	<b>6,443,182</b>	<b>60,689</b>	<b>36,803</b>	<b>44,560</b>	<b>736,037</b>	<b>1,347,542</b>
<b>EXPENSE</b>						
Power purchased.....	4,967,485	35,542	26,633	27,150	651,954	853,164
Local generation.....						
Operation and maintenance.....	357,178	6,012	4,092	1,821	25,087	223,755
Administration.....	371,594	5,879	2,613	2,446	28,629	106,744
Fixed charges—interest and principal	70,893	9			5,276	16,713
—depreciation.....	321,353	4,235	2,143	2,286	19,298	76,021
—other.....						
<b>Total expense.....</b>	<b>6,088,503</b>	<b>51,677</b>	<b>35,481</b>	<b>33,703</b>	<b>730,244</b>	<b>1,276,397</b>
<b>Net income or net expense.....</b>	<b>354,679</b>	<b>9,012</b>	<b>1,322</b>	<b>10,857</b>	<b>5,793</b>	<b>71,145</b>
Number of customers.....	29,291	499	311	284	1,758	8,388

## Statements for the Year Ended December 31, 1966

Sandwich West Twp. 8,213	Sarnia 53,260	Scarborough Twp. 265,567	Schreiber Twp. 2,225	Seaforth 2,192	Shelburne 1,328	Simcoe 9,941	Sioux Lookout 2,666	Smith's Falls 9,892
\$ 684,625 217,598	\$ 7,547,659 2,025,918	\$ 29,870,767 6,731,306	\$ 191,656 54,663	\$ 342,554 78,282	\$ 165,332 55,320	\$ 1,067,650 334,903	\$ 299,337 79,894	\$ 1,140,846 350,209
467,027	5,521,741	23,139,461	136,993	264,272	110,012	732,747	219,443	790,637
71,853	104,038	380,583	17,416	25,103	19,115	32,591	25,614	104,510
.....	550,000	966,000	.....	.....	.....	23,402	20,000	.....
.....	99,500	125,000	20,000	9,000	14,000	.....	5,000	20,000
94,931	264,097	992,629	4,294	1,442	3,308	6,581	11,492	11,242
166,784	1,017,635	2,464,212	41,710	35,545	36,423	62,574	62,106	135,752
13,444	224,821	419,892	1,101	441	543	981	7,934	29,453
.....	.....	2,137,414	.....	.....	.....	.....	.....	.....
11,201	51,304	171,543	.....	.....	844	46,708	.....	4,984
24,645	276,125	2,728,849	1,101	441	1,387	47,689	7,934	34,437
165,395	7,963,538	8,384,825	92,554	263,994	129,883	898,082	41,627	873,240
<b>823,851</b>	<b>14,779,039</b>	<b>36,717,347</b>	<b>272,358</b>	<b>564,252</b>	<b>277,705</b>	<b>1,741,092</b>	<b>331,110</b>	<b>1,834,066</b>
138,324	656,400	8,502,251	.....	13,000	.....	.....	.....	.....
160,706	236,530	1,471,080	82	3,759	1,121	1,455	978	.....
27,338	120,811	795,724	.....	5,027	196	14,766	4,363	.....
326,368	1,013,741	10,769,055	82	21,786	1,317	16,221	5,341	.....
165,395	7,963,538	8,384,825	92,554	263,994	129,883	898,082	41,627	873,240
.....	.....	.....	.....	.....	.....	.....	.....	.....
165,395	7,963,538	8,384,825	92,554	263,994	129,883	898,082	41,627	873,240
106,068	859,991	3,384,946	50,000	61,440	16,991	75,435	.....	147,662
.....	.....	2,137,414	.....	.....	.....	.....	.....	.....
226,020	4,862,690	11,069,774	129,722	216,532	127,817	750,761	284,142	813,164
.....	79,079	971,333	.....	500	1,697	593	.....	.....
332,088	5,801,760	17,563,467	179,722	278,472	146,505	826,789	284,142	960,826
<b>823,851</b>	<b>14,779,039</b>	<b>36,717,347</b>	<b>272,358</b>	<b>564,252</b>	<b>277,705</b>	<b>1,741,092</b>	<b>331,110</b>	<b>1,834,066</b>
246,119	2,919,745	12,623,010	89,407	119,337	69,761	582,951	157,608	541,466
9,240	111,243	595,349	1,243	2,517	1,839	13,280	1,221	4,643
<b>255,359</b>	<b>3,030,988</b>	<b>13,218,359</b>	<b>90,650</b>	<b>121,854</b>	<b>71,600</b>	<b>596,231</b>	<b>158,829</b>	<b>546,109</b>
150,471	1,573,924	8,593,367	62,522	75,589	42,328	447,956	83,911	367,315
.....	.....	.....	.....	.....	.....	.....	.....	.....
36,509	445,467	690,878	5,052	13,431	5,316	46,462	20,038	42,461
38,996	312,817	921,429	12,472	15,054	7,203	31,008	23,121	40,196
19,601	94,877	956,741	.....	2,924	.....	.....	.....	.....
22,366	197,287	991,440	5,494	9,826	5,826	33,371	7,832	31,371
.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>267,943</b>	<b>2,624,372</b>	<b>12,153,855</b>	<b>85,540</b>	<b>116,824</b>	<b>60,673</b>	<b>558,797</b>	<b>134,902</b>	<b>481,343</b>
<b>12,584</b>	<b>406,616</b>	<b>1,064,504</b>	<b>5,110</b>	<b>5,030</b>	<b>10,927</b>	<b>37,434</b>	<b>23,927</b>	<b>64,766</b>
2,199	16,234	78,582	680	921	618	3,764	939	3,555

## Municipal Electrical Utilities Financial

Municipality.....	Smithville	Southamp- ton	South River	Springfield	Stayner	Stirling
Population.....	900	1,703	958	490	1,672	1,287
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	107,810	291,692	161,356	51,206	184,912	168,437
Accumulated depreciation.....	24,245	72,810	49,722	19,617	39,221	50,064
Net fixed assets.....	83,565	218,882	111,634	31,589	145,691	118,373
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	7,272	28,527	9,669	7,187	14,388	13,240
Short-term investments.....						
Investment in government securities	3,000	10,025		500		
Accounts receivable (net).....	633	1,707	341	306	1,091	653
Total current assets.....	10,905	40,259	10,010	7,993	15,479	13,893
<b>OTHER ASSETS</b>						
Inventory of stores.....		6,497			263	1,188
Sinking fund on local debentures...						
Miscellaneous.....	254		11,901			256
Total other assets.....	254	6,497	11,901		263	1,444
Equity in Ontario Hydro Systems....	60,176	161,327	9,018	42,346	121,968	99,974
<b>Total.....</b>	<b>154,900</b>	<b>426,965</b>	<b>142,563</b>	<b>81,928</b>	<b>283,401</b>	<b>233,684</b>
<b>LIABILITIES</b>						
Debentures outstanding.....			76,000			3,329
Accounts payable.....	3,918		9,160	11	1,243	272
Other.....	471	606	11,109	350	1,139	1,850
Total liabilities.....	4,389	606	96,269	361	2,382	5,451
<b>RESERVES</b>						
Equity in Ontario Hydro Systems...	60,176	161,327	9,018	42,346	121,968	99,974
Other.....						
Total reserves.....	60,176	161,327	9,018	42,346	121,968	99,974
<b>CAPITAL</b>						
Debentures redeemed.....	15,000	42,523	14,000	9,500	9,557	19,671
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds.	74,311	222,509	23,276	29,721	145,719	108,588
Contributed capital.....	1,024				3,775	
Total capital.....	90,335	265,032	37,276	39,221	159,051	128,259
<b>Total.....</b>	<b>154,900</b>	<b>426,965</b>	<b>142,563</b>	<b>81,928</b>	<b>283,401</b>	<b>233,684</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	52,247	117,476	45,091	16,205	78,461	66,571
Other.....	1,658	3,864	165	212	2,192	704
<b>Total revenue.....</b>	<b>53,905</b>	<b>121,340</b>	<b>45,256</b>	<b>16,417</b>	<b>80,653</b>	<b>67,275</b>
<b>EXPENSE</b>						
Power purchased.....	28,562	62,118	20,189	9,303	53,964	43,211
Local generation.....						
Operation and maintenance.....	5,784	15,289	2,819	756	5,707	6,247
Administration.....	9,514	9,564	6,843	1,041	6,186	5,585
Fixed charges—interest and principal			7,953			692
—depreciation.....	3,676	8,915	4,147	1,744	5,299	4,537
—other.....						
Total expense.....	47,536	95,886	41,951	12,844	71,156	60,272
<b>Net income or net expense.....</b>	<b>6,369</b>	<b>25,454</b>	<b>3,305</b>	<b>3,573</b>	<b>9,497</b>	<b>7,003</b>
Number of customers.....	399	1,291	336	181	709	559



## Statements for the Year Ended December 31, 1966

Stoney Creek 7,397	Stouffville 3,701	Stratford 22,791	Strathroy 5,646	Streetsville 5,867	Sturgeon Falls 6,289	Sudbury 82,339	Sunderland 622	Sundridge 786
\$ 511,093 138,726	\$ 367,839 88,706	\$ 4,240,732 769,517	\$ 795,091 261,131	\$ 475,156 113,945	\$ 502,242 128,862	\$ 8,356,066 2,473,411	\$ 68,692 18,713	\$ 91,156 18,969
372,367	279,133	3,471,215	533,960	361,211	373,380	5,882,655	49,979	72,187
73,300	13,555	19,822	3,663	32,153	26,993	226,880	8,660	8,201
.....	72,000	.....	.....	86,500	.....	325,000	.....	.....
.....	.....	.....	.....	.....	.....	849,125	2,000	19,000
2,835	8,733	104,904	11,081	9,972	13,652	398,754	443	639
76,135	94,288	124,726	14,744	128,625	40,645	1,799,759	11,103	27,840
12	451	178,497	2,010	561	.....	122,358	30	132
.....	.....	.....	.....	.....	.....	.....	.....	.....
25,714	3,918	51,248	1,988	3,068	10,990	122,111	99	1,982
25,726	4,369	229,745	3,998	3,629	10,990	244,469	129	2,114
222,167	198,423	2,685,048	506,585	206,760	74,854	982,680	53,074	26,613
<b>696,395</b>	<b>576,213</b>	<b>6,510,734</b>	<b>1,059,287</b>	<b>700,225</b>	<b>499,869</b>	<b>8,909,563</b>	<b>114,285</b>	<b>128,754</b>
19,347	48,942	1,260,000	65,000	74,651	117,800	1,490,000	.....	14,255
2,240	5,210	45,130	21,385	9,527	26,849	308,567	1,122	.....
8,955	2,965	94,818	8,284	11,187	22,601	364,684	95	216
30,542	57,117	1,399,948	94,669	95,365	167,250	2,163,251	1,217	14,471
222,167	198,423	2,685,048	506,585	206,760	74,854	982,680	53,074	26,613
.....	.....	.....	11,049	632	.....	3,304	.....	.....
222,167	198,423	2,685,048	517,634	207,392	74,854	985,984	53,074	26,613
59,114	34,740	565,800	78,222	78,843	57,200	1,243,185	4,628	20,745
.....	.....	.....	.....	.....	.....	.....	.....	.....
379,445	275,429	1,778,608	367,006	302,246	200,565	4,517,143	55,366	66,925
5,127	10,504	81,330	1,756	16,379	.....	.....	.....	.....
443,686	320,673	2,425,738	446,984	397,468	257,765	5,760,328	59,994	87,670
<b>696,395</b>	<b>576,213</b>	<b>6,510,734</b>	<b>1,059,287</b>	<b>700,225</b>	<b>499,869</b>	<b>8,909,563</b>	<b>114,285</b>	<b>128,754</b>
300,493	180,882	1,512,311	340,721	254,332	232,031	3,296,927	28,307	41,096
14,213	12,735	50,024	870	8,948	6,178	292,460	1,392	1,085
<b>314,706</b>	<b>193,617</b>	<b>1,562,335</b>	<b>341,591</b>	<b>263,280</b>	<b>238,209</b>	<b>3,589,387</b>	<b>29,699</b>	<b>42,181</b>
201,720	111,071	987,474	223,595	174,108	145,370	2,042,632	20,747	24,423
.....	.....	.....	.....	.....	.....	.....	.....	.....
10,974	11,943	158,106	40,722	11,589	21,029	400,975	1,935	3,066
35,222	16,371	147,184	35,908	23,829	28,218	429,536	2,099	3,518
5,534	5,617	110,681	7,462	10,155	13,769	142,532	.....	2,809
20,220	12,678	108,144	20,990	14,565	17,363	326,451	2,529	2,453
.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>273,670</b>	<b>157,680</b>	<b>1,511,589</b>	<b>328,677</b>	<b>234,246</b>	<b>225,749</b>	<b>3,342,126</b>	<b>27,310</b>	<b>36,269</b>
<b>41,036</b>	<b>35,937</b>	<b>50,746</b>	<b>12,914</b>	<b>29,034</b>	<b>12,460</b>	<b>247,261</b>	<b>2,389</b>	<b>5,912</b>
2,127	1,272	7,657	2,014	1,568	1,737	25,538	277	339

## Municipal Electrical Utilities Financial

Municipality.....	Sutton	Swansea	Tara	Tavistock	Tecumseh	Teeswater
Population.....	1,454	9,409	525	1,261	4,730	909
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	188,747	1,049,763	69,376	188,974	308,107	119,138
Accumulated depreciation.....	24,064	318,638	12,737	72,453	122,528	25,127
Net fixed assets.....	164,683	731,125	56,639	116,521	185,579	94,011
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	17,037	74,896	2,509	16,727	24,784	3,747
Short-term investments.....	17,500				20,000	
Investment in government securities.....			8,000	15,000		3,500
Accounts receivable (net).....	14,280	64,197	1,415	377	10,325	190
Total current assets.....	48,817	139,093	11,924	32,104	55,109	7,437
<b>OTHER ASSETS</b>						
Inventory of stores.....	1,811	10,762	172	253	22,898	58
Sinking fund on local debentures.....						
Miscellaneous.....	1,029	904	1,535	48		
Total other assets.....	2,840	11,666	1,707	301	22,898	58
Equity in Ontario Hydro Systems.....	149,009	780,083	57,257	205,158	196,245	92,187
<b>Total.....</b>	<b>365,349</b>	<b>1,661,967</b>	<b>127,527</b>	<b>354,084</b>	<b>459,831</b>	<b>193,693</b>
<b>LIABILITIES</b>						
Debentures outstanding.....				11,924		
Accounts payable.....	3,935	52,020	10,636	544	816	969
Other.....	4,457	3,087	265	1,187	2,755	204
Total liabilities.....	8,392	55,107	10,901	13,655	3,571	1,173
<b>RESERVES</b>						
Equity in Ontario Hydro Systems..	149,009	780,083	57,257	205,158	196,245	92,187
Other.....						
Total reserves.....	149,009	780,083	57,257	205,158	196,245	92,187
<b>CAPITAL</b>						
Debentures redeemed.....	26,000	247,241	14,264	23,361	26,000	21,296
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds..	154,151	579,086	45,105	111,910	227,766	79,037
Contributed capital.....	27,797	450			6,249	
Total capital.....	207,948	826,777	59,369	135,271	260,015	100,333
<b>Total.....</b>	<b>365,349</b>	<b>1,661,967</b>	<b>127,527</b>	<b>354,084</b>	<b>459,831</b>	<b>193,693</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	108,848	505,382	37,253	67,831	167,302	57,000
Other.....	1,596	32,274	1,025	3,663	6,705	370
<b>Total revenue.....</b>	<b>110,444</b>	<b>537,656</b>	<b>38,278</b>	<b>71,494</b>	<b>174,007</b>	<b>57,370</b>
<b>EXPENSE</b>						
Power purchased.....	60,133	335,863	26,631	41,292	100,711	38,763
Local generation.....						
Operation and maintenance.....	8,166	48,033	2,139	3,203	18,446	4,204
Administration.....	12,779	47,076	2,288	4,665	22,765	2,992
Fixed charges—interest and principal		12,584		2,260		
—depreciation.....	5,046	40,930	2,510	6,334	9,398	3,360
—other.....						
<b>Total expense.....</b>	<b>86,124</b>	<b>484,486</b>	<b>33,568</b>	<b>57,754</b>	<b>151,320</b>	<b>49,319</b>
<b>Net income or net expense.....</b>	<b>24,320</b>	<b>53,170</b>	<b>4,710</b>	<b>13,740</b>	<b>22,687</b>	<b>8,051</b>
Number of customers.....	935	3,613	273	535	1,416	393

Statements for the Year Ended December 31, 1966

Terrace Bay Twp. 1,877	Thamesford 1,395	Thamesville 1,013	Thedford 685	Thessalon 1,651	Thornbury 1,204	Thorndale 405	Thornton 316	Thorold 8,820
\$ 286,023 67,539	\$ 144,907 39,503	\$ 135,961 50,861	\$ 75,665 21,069	\$ 171,765 39,291	\$ 217,980 35,821	\$ 44,648 19,071	\$ 25,983 10,051	\$ 810,070 223,934
218,484	105,404	85,100	54,596	132,474	182,159	25,577	15,932	586,136
21,402	2,669	13,036	7,734	6,420	5,489	9,389	3,958	74,903
25,000	.....	.....	5,000	25,000	.....	.....	.....	145,000
.....	12,000	11,903	3,000	.....	3,955	3,000	.....	.....
723	377	996	3,774	787	11,201	547	295	12,057
47,125	15,046	25,935	19,508	32,207	20,645	12,936	4,253	231,960
.....	30	442	14	.....	3,821	.....	.....	26,549
5,998	5,043	.....	100	4,458	465	.....	.....	12,755
5,998	5,073	442	114	4,458	4,286	.....	.....	39,304
129,660	99,605	108,476	66,199	22,509	59,942	39,243	19,254	1,162,577
401,267	225,128	219,953	140,417	191,648	267,032	77,756	39,439	2,019,977
15,600	1,000	.....	.....	36,000	12,000	.....	.....	55,993
91	1,046	91	.....	1,085	710	56	50	3,499
.....	4,402	1,515	359	3,456	245	253	53	13,463
15,691	6,448	1,606	359	40,541	12,955	309	103	72,955
129,660	99,605	108,476	66,199	22,509	59,942	39,243	19,254	1,162,577
.....	.....	.....	.....	.....	.....	.....	.....	.....
129,660	99,605	108,476	66,199	22,509	59,942	39,243	19,254	1,162,577
62,400	7,358	11,188	16,500	29,000	74,000	3,086	7,199	71,931
.....	.....	.....	.....	.....	.....	.....	.....	.....
193,516	110,497	96,207	56,803	99,598	117,903	35,118	12,883	692,252
.....	1,220	2,476	556	.....	2,232	.....	.....	20,262
255,916	119,075	109,871	73,859	128,598	194,135	38,204	20,082	784,445
401,267	225,128	219,953	140,417	191,648	267,032	77,756	39,439	2,019,977
88,300	71,321	59,377	35,870	81,855	86,236	16,553	9,516	717,559
4,585	4,056	1,665	583	1,108	1,528	1,082	1	13,119
92,885	75,377	61,042	36,453	82,963	87,764	17,635	9,517	730,678
59,617	45,834	37,558	21,967	38,431	51,451	9,604	5,799	583,430
5,967	2,502	3,635	1,249	7,124	9,518	2,154	166	45,687
9,218	6,005	8,721	2,872	14,038	8,464	2,095	811	45,839
4,633	235	.....	.....	5,230	2,298	.....	.....	9,675
7,400	6,009	4,843	2,405	4,812	5,185	1,853	948	22,109
86,835	60,585	54,757	28,493	69,635	76,916	15,706	7,724	706,740
6,050	14,792	6,285	7,960	13,328	10,848	1,929	1,793	23,938
462	448	440	307	526	586	139	108	2,562

Municipal Electrical Utilities Financial

Municipality.....	Tilbury	Tillsonburg	Toronto	Toronto Twp. 93,462	Tottenham	Trenton
Population.....	3,370	6,587	667,280		783	13,807
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	343,968	1,017,904	115,436,956	15,461,707	53,157	1,939,739
Accumulated depreciation.....	124,038	224,607	34,473,236	2,380,125	18,948	585,835
Net fixed assets.....	219,930	793,297	80,963,720	13,081,582	34,209	1,353,904
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	14,947	42,753	224,464	106,542	7,803	73,000
Short-term investments.....		100,000	6,100,000			
Investment in government securities.....			973,602	8,000	13,058	10,000
Accounts receivable (net).....	5,302	11,392	4,717,200	350,145	1,478	36,198
Total current assets.....	20,249	154,145	12,015,266	464,687	22,339	119,198
<b>OTHER ASSETS</b>						
Inventory of stores.....	900	19,218	2,388,741	576,263	387	48,455
Sinking fund on local debentures.....			2,552,901			
Miscellaneous.....	475	5,089	6,764,605	575,443	690	632
Total other assets.....	1,375	24,307	11,706,247	1,151,706	1,077	49,087
Equity in Ontario Hydro Systems....	296,338	576,434	103,587,575	3,958,433	63,844	1,385,838
<b>Total.....</b>	<b>537,892</b>	<b>1,548,183</b>	<b>208,272,808</b>	<b>18,656,408</b>	<b>121,469</b>	<b>2,908,027</b>
<b>LIABILITIES</b>						
Debentures outstanding.....	20,500	37,700	11,407,050	1,454,641		125,000
Accounts payable.....	495	31,132	3,418,666	768,433	84	15,998
Other.....	5,917	29,786	594,258	743,918	878	17,676
Total liabilities.....	26,912	98,618	15,419,974	2,966,992	962	158,674
<b>RESERVES</b>						
Equity in Ontario Hydro Systems..	296,338	576,434	103,587,575	3,958,433	63,844	1,385,838
Other.....			583,818			
Total reserves.....	296,338	576,434	104,171,393	3,958,433	63,844	1,385,838
<b>CAPITAL</b>						
Debentures redeemed.....	43,500	169,349	33,520,935	975,232	21,435	189,587
Local sinking fund.....			2,552,901			
Accumulated net income invested in plant or held as working funds..	171,142	703,782	49,755,337	7,383,387	35,228	1,148,746
Contributed capital.....			2,852,268	3,372,364		25,182
Total capital.....	214,642	873,131	88,681,441	11,730,983	56,663	1,363,515
<b>Total.....</b>	<b>537,892</b>	<b>1,548,183</b>	<b>208,272,808</b>	<b>18,656,408</b>	<b>121,469</b>	<b>2,908,027</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	152,636	450,562	45,300,389	6,767,977	26,154	886,904
Other.....	1,520	10,962	1,440,700	118,906	1,329	36,810
<b>Total revenue.....</b>	<b>154,156</b>	<b>461,524</b>	<b>46,741,089</b>	<b>6,886,883</b>	<b>27,483</b>	<b>923,714</b>
<b>EXPENSE</b>						
Power purchased.....	79,001	292,782	28,652,180	4,745,599	16,751	675,996
Local generation.....						
Operation and maintenance.....	15,278	47,905	5,629,573	341,684	2,732	43,335
Administration.....	20,455	35,305	4,743,766	423,419	3,288	62,859
Fixed charges—interest and principal	4,912	8,936	1,185,713	176,260		20,597
—depreciation.....	10,096	27,923	3,547,812	403,793	1,774	66,747
—other.....			9,600			
<b>Total expense.....</b>	<b>129,742</b>	<b>412,851</b>	<b>43,768,644</b>	<b>6,090,755</b>	<b>24,545</b>	<b>869,534</b>
<b>Net income or net expense.....</b>	<b>24,414</b>	<b>48,673</b>	<b>2,972,445</b>	<b>796,128</b>	<b>2,938</b>	<b>54,180</b>
Number of customers.....	1,115	2,673	217,365	27,019	283	4,673



## Statements for the Year Ended December 31, 1966

Tweed 1,657	Uxbridge 2,597	Vankleek Hill 1,691	Victoria Harbour 1,031	Walkerton 4,152	Wallaceburg 10,746	Wardsville 308	Warkworth 522	Wasaga Beach 1,021
\$ 195,081 56,200	\$ 294,558 77,316	\$ 166,378 54,716	\$ 94,727 21,359	\$ 441,914 100,675	\$ 1,278,926 469,358	\$ 39,939 12,811	\$ 63,588 18,281	\$ 199,900 71,730
138,881	217,242	111,662	73,368	341,239	809,568	27,128	45,307	128,170
8,345	15,940	6,434	4,406	13,158	11,441	9,099	6,828	43,644
11,000	2,912	30,000	6,000	6,000	1,500			
853	2,748	219	2,925	8,971	53,332	369	220	1,205
20,198	21,600	36,653	7,331	28,129	64,773	10,968	7,048	44,849
	2,449		360	14,876	114,326			78
	380	4,807	98					4,806
	2,829	4,807	458	14,876	114,326			4,884
126,874	192,024	34,630	44,376	304,439	1,368,649	26,713	35,285	43,529
<b>285,953</b>	<b>433,695</b>	<b>187,752</b>	<b>125,533</b>	<b>688,683</b>	<b>2,357,316</b>	<b>64,809</b>	<b>87,640</b>	<b>221,432</b>
	28,300	20,800	4,400				5,690	18,500
857	3,594	1,211	1,343	702	6,621	123	177	146
756	3,325	1,962	290	4,209	10,994	190	324	1,558
1,613	35,219	23,973	6,033	4,911	17,615	313	6,191	20,204
126,874	192,024	34,630	44,376	304,439	1,368,649	26,713	35,285	43,529
126,874	192,024	34,630	44,376	304,439	1,368,649	26,713	35,285	43,529
19,000	17,022	25,200	14,479	56,749	71,537	7,562	9,083	91,500
138,466	189,430	103,949	60,645	322,584	899,515	27,231	31,598	65,528
						2,990	5,483	671
157,466	206,452	129,149	75,124	379,333	971,052	37,783	46,164	157,699
<b>285,953</b>	<b>433,695</b>	<b>187,752</b>	<b>125,533</b>	<b>688,683</b>	<b>2,357,316</b>	<b>64,809</b>	<b>87,640</b>	<b>221,432</b>
85,917	145,776	53,757	39,271	235,867	730,107	13,547	20,769	75,533
3,796	4,264	3,431		6,463	3,448	416	374	2,074
<b>89,713</b>	<b>150,040</b>	<b>57,188</b>	<b>39,271</b>	<b>242,330</b>	<b>733,555</b>	<b>13,963</b>	<b>21,143</b>	<b>77,607</b>
63,412	100,743	37,171	23,379	170,582	605,135	7,569	12,505	36,973
4,530	7,530	4,383	4,842	13,278	40,656	1,122	1,813	7,117
6,924	8,711	6,155	4,967	20,100	65,047	1,181	2,100	12,848
	2,568	3,441	1,243				642	4,917
7,597	10,816	6,178	2,765	14,650	38,316	1,253	2,121	6,141
<b>82,463</b>	<b>130,368</b>	<b>57,328</b>	<b>37,196</b>	<b>218,610</b>	<b>749,154</b>	<b>11,125</b>	<b>19,181</b>	<b>67,996</b>
<b>7,250</b>	<b>19,672</b>	<b>140</b>	<b>2,075</b>	<b>23,720</b>	<b>15,599</b>	<b>2,838</b>	<b>1,962</b>	<b>9,611</b>
680	963	578	535	1,498	3,625	157	246	981

## Municipal Electrical Utilities Financial

Municipality.....	Waterdown	Waterford	Waterloo	Watford	Waubau- shene	Webbwood
Population.....	1,998	2,460	29,770	1,252	1,500	550
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	223,904	199,658	4,347,358	117,774	75,215	47,610
Accumulated depreciation.....	58,281	56,213	861,245	43,615	15,748	10,666
Net fixed assets.....	165,623	143,445	3,486,113	74,159	59,467	36,944
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	6,489	20,380	143,312	19,932	3,619	11,423
Short-term investments.....		26,843				
Investment in government securities.....				18,114		
Accounts receivable (net).....	7,104	1,075	158,337	4,310	1,560	709
Total current assets.....	13,593	48,298	301,649	42,356	5,179	12,132
<b>OTHER ASSETS</b>						
Inventory of stores.....		346	148,790	1,266	416	149
Sinking fund on local debentures.....						
Miscellaneous.....	1,395		12,922	489		3,656
Total other assets.....	1,395	346	161,712	1,755	416	3,805
Equity in Ontario Hydro Systems.....	123,683	171,003	1,900,031	170,475	38,929	4,040
<b>Total.....</b>	<b>304,294</b>	<b>363,092</b>	<b>5,849,505</b>	<b>288,745</b>	<b>103,991</b>	<b>56,921</b>
<b>LIABILITIES</b>						
Debentures outstanding.....	16,000	24,500	1,228,000			16,242
Accounts payable.....	4,498	713	59,547	1,354	1,309	198
Other.....	1,708	3,798	155,766	876	20	714
Total liabilities.....	22,206	29,011	1,443,313	2,230	1,329	17,154
<b>RESERVES</b>						
Equity in Ontario Hydro Systems.....	123,683	171,003	1,900,031	170,475	38,929	4,040
Other.....						
Total reserves.....	123,683	171,003	1,900,031	170,475	38,929	4,040
<b>CAPITAL</b>						
Debentures redeemed.....	21,632	17,623	767,018	9,055	3,242	13,758
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds.....	128,385	141,024	1,490,880	106,985	60,491	21,969
Contributed capital.....	8,388	4,431	248,263			
Total capital.....	158,405	163,078	2,506,161	116,040	63,733	35,727
<b>Total.....</b>	<b>304,294</b>	<b>363,092</b>	<b>5,849,505</b>	<b>288,745</b>	<b>103,991</b>	<b>56,921</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	87,196	118,020	1,881,571	100,901	26,980	18,859
Other.....	2,714	2,077	20,259	1,015	175	580
<b>Total revenue.....</b>	<b>89,910</b>	<b>120,097</b>	<b>1,901,830</b>	<b>101,916</b>	<b>27,155</b>	<b>19,439</b>
<b>EXPENSE</b>						
Power purchased.....	55,338	67,104	1,229,914	69,617	15,287	8,308
Local generation.....						
Operation and maintenance.....	7,049	12,794	130,710	4,905	3,970	1,581
Administration.....	8,940	7,722	133,293	12,519	2,638	2,466
Fixed charges—interest and principal.....	3,026	2,805	173,429			2,615
—depreciation.....	8,044	5,523	113,520	3,487	2,069	1,356
—other.....						
<b>Total expense.....</b>	<b>82,397</b>	<b>95,948</b>	<b>1,780,866</b>	<b>90,528</b>	<b>23,964</b>	<b>16,326</b>
<b>Net income or net expense.....</b>	<b>7,513</b>	<b>24,149</b>	<b>120,964</b>	<b>11,388</b>	<b>3,191</b>	<b>3,113</b>
Number of customers.....	621	885	8,292	554	475	148

## Statements for the Year Ended December 31, 1966

Welland	Wellesley	Wellington	West Ferris Twp.	West Lorne	Weston	Westport	Wheatley	Whitby
39,014	719	970	6,567	1,028	10,914	619	1,478	15,061
\$ 4,252,160 1,283,624	\$ 80,572 16,422	\$ 96,520 35,478	\$ 908,685 189,059	\$ 153,287 59,352	\$ 1,734,114 462,145	\$ 57,308 9,933	\$ 215,304 49,374	\$ 1,727,255 371,702
2,968,536	64,150	61,042	719,626	93,935	1,271,969	47,375	165,930	1,355,553
101,736	8,872	18,859	30,313	13,727	90,443	4,647	2,591	12,179
250,000	.....	.....	.....	20,000	.....	.....	15,000	.....
10,000	9,000	7,000	.....	19,993	.....	3,500	.....	10,000
50,797	270	168	12,888	1,297	97,827	151	3,974	26,462
412,533	18,142	26,027	43,201	55,017	188,270	8,298	21,565	48,641
70,629	.....	650	8,108	110	25,234	.....	1,826	48,436
34,727	.....	.....	13,348	.....	63,364	.....	.....	.....
.....	.....	.....	.....	.....	6,391	.....	.....	2,213
105,356	.....	650	21,456	110	94,989	.....	1,826	50,649
2,574,561	67,180	88,502	96,938	155,790	1,351,615	49,750	116,177	839,292
<b>6,060,986</b>	<b>149,472</b>	<b>176,221</b>	<b>881,221</b>	<b>304,852</b>	<b>2,906,843</b>	<b>105,423</b>	<b>305,498</b>	<b>2,294,135</b>
1,241,000	1,800	.....	341,510	.....	119,313	.....	5,200	158,000
29,913	7,275	282	19,141	197	2,496	.....	400	5,458
62,555	307	910	46,839	210	37,473	436	784	50,483
1,333,468	9,382	1,192	407,490	407	159,282	436	6,384	213,941
2,574,561	67,180	88,502	96,938	155,790	1,351,615	49,750	116,177	839,292
.....	.....	.....	.....	.....	.....	.....	.....	.....
2,574,561	67,180	88,502	96,938	155,790	1,351,615	49,750	116,177	839,292
641,473	10,628	13,816	145,990	8,000	183,446	15,000	46,800	303,011
.....	.....	.....	.....	.....	63,364	.....	.....	.....
1,491,926	62,282	63,219	205,487	137,084	1,141,660	40,161	134,587	929,160
19,558	.....	9,492	25,316	3,571	7,476	76	1,550	8,731
2,152,957	72,910	86,527	376,793	148,655	1,395,946	55,237	182,937	1,240,902
<b>6,060,986</b>	<b>149,472</b>	<b>176,221</b>	<b>881,221</b>	<b>304,852</b>	<b>2,906,843</b>	<b>105,423</b>	<b>305,498</b>	<b>2,294,135</b>
2,075,244	30,670	46,097	358,674	83,104	795,435	29,347	72,855	865,961
27,927	987	1,439	15,127	6,139	32,049	574	1,042	34,180
<b>2,103,171</b>	<b>31,657</b>	<b>47,536</b>	<b>373,801</b>	<b>89,243</b>	<b>827,484</b>	<b>29,921</b>	<b>73,897</b>	<b>900,141</b>
1,365,312	18,914	25,437	224,700	51,690	472,967	19,080	36,294	626,830
.....	.....	.....	.....	.....	.....	.....	.....	.....
145,560	2,369	3,399	22,046	4,108	44,076	2,550	5,687	54,885
168,829	2,332	4,000	41,468	11,114	95,834	3,794	7,026	75,189
135,119	491	.....	42,777	.....	20,035	.....	2,842	39,428
122,708	2,318	3,795	27,705	6,770	58,558	1,431	5,888	59,327
.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>1,937,528</b>	<b>26,424</b>	<b>36,631</b>	<b>358,696</b>	<b>73,682</b>	<b>691,470</b>	<b>26,855</b>	<b>57,737</b>	<b>855,659</b>
<b>165,643</b>	<b>5,233</b>	<b>10,905</b>	<b>15,105</b>	<b>15,561</b>	<b>136,014</b>	<b>3,066</b>	<b>16,160</b>	<b>44,482</b>
11,659	313	471	2,242	458	3,944	303	560	4,365

Municipal Electrical Utilities Financial

Municipality.....	Warton	Widdifield Twp.	Williams- burg 322	Winchester	Windermere	Windsor
Population.....	1,933	12,856	322	1,434	111	187,418
<b>A. BALANCE SHEETS</b>						
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	208,947	1,536,185	30,991	144,610	47,061	21,932,295
Accumulated depreciation.....	51,726	373,929	12,518	45,025	9,925	6,822,328
Net fixed assets.....	157,221	1,162,256	18,473	99,585	37,136	15,109,967
<b>CURRENT ASSETS</b>						
Cash on hand and in bank.....	1,997	40,601	8,519	32,499	39	34,192
Short-term investments.....		25,000				
Investment in government securities	15,000		5,000		4,960	1,318,952
Accounts receivable (net).....	2,443	23,167	63	6,036	97	1,134,498
Total current assets.....	19,440	88,768	13,582	38,535	5,096	2,487,642
<b>OTHER ASSETS</b>						
Inventory of stores.....	8,504	9,065				396,649
Sinking fund on local debentures.....						
Miscellaneous.....	404	33,136		1,500	60	128,267
Total other assets.....	8,908	42,201		1,500	60	524,916
Equity in Ontario Hydro Systems.....	163,047	19,880	37,682	149,972	21,255	17,126,400
<b>Total.....</b>	<b>348,616</b>	<b>1,313,105</b>	<b>69,737</b>	<b>289,592</b>	<b>63,547</b>	<b>35,248,925</b>
<b>LIABILITIES</b>						
Debentures outstanding.....		1,118,000				1,373,574
Accounts payable.....	59	41,488	3	349	173	741,425
Other.....	167	56,305	498	10		348,668
Total liabilities.....	226	1,215,793	501	359	173	2,463,667
<b>RESERVES</b>						
Equity in Ontario Hydro Systems..	163,047	19,880	37,682	149,972	21,255	17,126,400
Other.....						261,060
Total reserves.....	163,047	19,880	37,682	149,972	21,255	17,387,460
<b>CAPITAL</b>						
Debentures redeemed.....	37,400	32,000	2,750	29,162	11,238	3,564,833
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds.	147,943	45,432	28,804	110,099	30,881	11,782,943
Contributed capital.....						50,022
Total capital.....	185,343	77,432	31,554	139,261	42,119	15,397,798
<b>Total.....</b>	<b>348,616</b>	<b>1,313,105</b>	<b>69,737</b>	<b>289,592</b>	<b>63,547</b>	<b>35,248,925</b>
<b>B. OPERATING STATEMENTS</b>						
<b>REVENUE</b>						
Sales of electric energy.....	98,275	681,630	15,701	88,469	12,392	9,060,933
Other.....	5,029	35,455	365	1,316	622	151,725
<b>Total revenue.....</b>	<b>103,304</b>	<b>717,085</b>	<b>16,066</b>	<b>89,785</b>	<b>13,014</b>	<b>9,212,658</b>
<b>EXPENSE</b>						
Power purchased.....	61,484	424,019	10,548	65,138	7,515	6,316,920
Local generation.....						
Operation and maintenance.....	9,491	34,847	434	4,818	1,321	1,072,411
Administration.....	8,393	69,075	1,520	6,369	861	876,739
Fixed charges—interest and principal		98,205				210,882
—depreciation.....	7,767	52,334	1,034	4,514	1,333	593,086
—other.....						
<b>Total expense.....</b>	<b>87,135</b>	<b>678,480</b>	<b>13,536</b>	<b>80,839</b>	<b>11,030</b>	<b>9,070,038</b>
<b>Net income or net expense.....</b>	<b>16,169</b>	<b>38,605</b>	<b>2,530</b>	<b>8,946</b>	<b>1,984</b>	<b>142,620</b>
Number of customers.....	826	3,770	145	579	412	59,263



## Statements for the Year Ended December 31, 1966

Wingham	Woodbridge	Woodstock	Woodville	Wyoming	York Twp.	Zurich	TOTAL
2,915	2,344	23,828	438	971	127,460	727	
\$ 440,479 169,677	\$ 238,364 81,530	\$ 3,248,330 982,810	\$ 52,706 11,836	\$ 103,842 31,637	\$ 10,669,955 3,517,784	\$ 77,747 10,006	\$ 654,128,175 164,122,993
270,802	156,834	2,265,520	40,870	72,205	7,152,171	67,741	490,005,182
37,028	27,261	86,096	7,800	5	408,611	10,198	12,138,312
.....	45,000	50,000	.....	.....	650,000	.....	19,530,448
64,669	24,725	.....	.....	9,260	554,000	.....	9,515,323
1,072	1,488	38,660	359	132	322,024	218	23,415,599
102,769	98,474	174,756	8,159	9,397	1,934,635	10,416	64,599,682
15,743	.....	3,480	.....	1,060	106,074	.....	14,192,035
.....	.....	.....	.....	.....	.....	.....	9,073,286
.....	10,690	10,396	.....	25	17,787	1,944	10,162,656
15,743	10,690	13,876	.....	1,085	123,861	1,944	33,427,977
312,810	259,873	2,507,402	36,453	55,278	6,674,523	69,429	406,329,792
<b>702,124</b>	<b>525,871</b>	<b>4,961,554</b>	<b>85,482</b>	<b>137,965</b>	<b>15,885,190</b>	<b>149,530</b>	<b>994,362,633</b>
.....	.....	.....	.....	.....	.....	.....	97,299,929
15,741	1,183	21,295	22	8,674	339,270	.....	21,534,264
4,215	2,077	23,781	30	413	525,156	340	10,693,822
19,956	3,260	45,076	52	9,087	864,426	340	129,528,015
312,810	259,873	2,507,402	36,453	55,278	6,674,523	69,429	406,329,792
.....	.....	.....	.....	.....	.....	.....	1,842,605
312,810	259,873	2,507,402	36,453	55,278	6,674,523	69,429	408,172,397
81,155	23,835	429,776	5,248	9,700	489,375	5,592	105,895,961
.....	.....	.....	.....	.....	.....	.....	9,073,286
288,203	236,045	1,930,080	43,729	63,169	7,795,185	74,169	323,795,867
.....	2,858	49,220	.....	731	61,681	.....	17,897,107
369,358	262,738	2,409,076	48,977	73,600	8,346,241	79,761	456,662,221
<b>702,124</b>	<b>525,871</b>	<b>4,961,554</b>	<b>85,482</b>	<b>137,965</b>	<b>15,885,190</b>	<b>149,530</b>	<b>994,362,633</b>
176,767	133,222	1,548,850	17,355	34,509	4,601,771	38,790	292,499,953
9,940	7,556	36,047	336	1,309	262,742	364	8,640,589
<b>186,707</b>	<b>140,778</b>	<b>1,584,897</b>	<b>17,691</b>	<b>35,818</b>	<b>4,864,513</b>	<b>39,154</b>	<b>301,140,542</b>
116,298	98,787	1,063,843	9,586	22,584	3,119,646	20,903	201,058,552
.....	.....	.....	.....	.....	.....	.....	612,063
14,176	5,454	106,943	1,995	4,537	337,793	4,052	23,123,145
17,560	14,111	113,143	1,549	3,830	592,648	3,863	23,762,160
.....	.....	547	.....	.....	.....	.....	11,045,582
12,017	10,278	96,936	1,782	3,393	394,360	1,964	19,352,182
.....	.....	.....	.....	.....	.....	.....	92,300
<b>160,051</b>	<b>128,630</b>	<b>1,381,412</b>	<b>14,912</b>	<b>34,344</b>	<b>4,444,447</b>	<b>30,782</b>	<b>279,045,984</b>
<b>26,656</b>	<b>12,148</b>	<b>203,485</b>	<b>2,779</b>	<b>1,474</b>	<b>420,066</b>	<b>8,372</b>	<b>22,094,558</b>
1,172	798	7,977	200	401	41,630	317	1,630,255

## STATEMENT "C"

Statement "C" is the schedule of retail rates for residential, commercial, and industrial power service in the municipal distribution systems receiving power from the Commission.

### **Rate Schedules in Effect**

Under normal or standard residential service, charges are calculated on specified blocks of kilowatt-hours per month at designated rates for each block. The account rendered is subject to a minimum monthly charge, and while accounts in some municipalities are calculated at net rates, the majority are subject to a prompt-payment discount of 10 per cent. For comparative purposes net monthly bills are shown for metered energy consumptions of 250, 500, and 750 kilowatt-hours, subject to the qualifications in the following paragraph.

Water heating service may be provided either at a special flat-rate monthly charge, or through the regular metered service. The net monthly bills are calculated in Statement "C" at metered rates. A "w" opposite the rate of the third block of 500 kilowatt-hours for certain municipalities indicates that that block is available only to customers with an approved water heater supplied through the regular service meter. In these municipalities flat-rate service for water heating is not generally available to new applicants for residential service. House-heating energy may be segregated from the standard service and billed at a separate house-heating rate, or, as indicated in the table, it may be optionally included with the normal household service and billed at the regular residential rate. Where a low all-electric rate is in effect, house-heating energy would, of course, be included with the water-heating and basic household energy, the entire service being billed at this special rate.

Commercial rates are applicable to all electrical service supplied to stores, offices, churches, schools, public buildings, institutions, hospitals, hotels, restaurants, service stations, and other premises used for commercial purposes. The commercial rates are also used for billing sign and display lighting. In many municipalities, commercial-type customers having connected loads of under five kilowatts are billed at residential rates. Rates for industrial power service to customers of the municipal systems provide for 24-hour unrestricted delivery at secondary distribution voltage. These rates, however, are not applicable to the Commission's direct industrial customers.

In 1966, a new general rate was introduced for application both to commercial and to power service customers. The use of a descending block-energy rate for smaller loads, together with a demand charge per kilowatt for larger loads, permits flexibility in design, and enables customers to take advantage of the benefits of scale by using more energy at the lower block rates. At the same time, it results in a relatively smooth adjustment in charges over the whole range of customer loads. The introduction of the general rate, which is more readily understood by the customer, also contributes towards rate simplification by greatly reducing the number of rate classifications required.

Commercial and industrial power service bills are based on a monthly demand rate (with a minimum for commercial service) applied to the customer's billing demand, plus energy charges for specified blocks of kilowatt-hours used, the size of the blocks varying in accordance with the customer's billing demand. All additional energy is billed at the end rate per kilowatt-hour. The accounts for all municipalities, except those marked (N) as calculated at net rates, are subject to a prompt-payment discount of 10 per cent. The net monthly bills shown for commercial and industrial power service are calculated on the basis of a demand of one kilowatt for a use per month of 200 and 300 hours. The corresponding bill for a demand of 10 kilowatts would be ten times the amounts shown, for 20 kilowatts twenty times the amounts shown, and so on.

### STATEMENT "D"

Statement "D" records revenue, consumption, number of customers, average consumption per customer, and average cost per kilowatt-hour for each of the three main classes of service in all the municipal systems served. The revenue and consumption from house heating and the use of flat-rate water heaters are included in the totals shown, the flat-rate water-heater kilowatt-hours being estimated on the basis of 16.8 hours' use per day.

The average cost per kilowatt-hour is the average cost to the customer, that is the average revenue per kilowatt-hour received by the utility. Such a statistical average does not represent the utility's actual cost of delivering one kilowatt-hour. However, a comparison of this average over a number of years is some indication of the trend of cost in any one municipality, and the trend in all municipal systems combined may be seen in the table on page 156 and the graphs on page 157. Other things being equal, the average cost per kilowatt-hour would rise with an increase in rates. The normal trend, however, is for consumption per customer to increase, and residential customers in particular are using an ever-widening variety of electrical appliances, including fast-recovery water heaters. This increased use, since it is billed at the low rates usually applicable to higher-consumption blocks of kilowatt-hours, is frequently reflected in a lower average cost per kilowatt-hour.

For industrial power service customers, the relationship between demand (kilowatts required) and energy (kilowatt-hours of use) is an important factor in establishing the customer's average cost per kilowatt-hour. The use of the demand for only a few hours will result in a relatively small total bill but a high average cost per kilowatt-hour; the use of the same demand for several hours will increase the total bill but substantially reduce the average cost per kilowatt-hour. In other words, the average cost per kilowatt-hour varies inversely with the customer's load factor.

RATES AND TYPICAL BILLS FOR  
in Effect

Rates are quoted on a monthly basis and  
(unless otherwise noted) and

	Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE										
		House Heating per Kwh (See Notes)	All-Electric Rate per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
					First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All-Addi- tional Kwh		250 Kwh	500 Kwh	750 Kwh
Acton.....	¢ 41	¢	¢ 1.1	50	¢ 3.0	¢ 1.5	¢ 0.9	¢ 1.2	\$ 1.11	\$ 4.05	\$ 6.07	\$ 8.10
Ailsa Craig.....	45	Ø	..	50	2.6	1.3	0.8	1.1	1.39	3.51	5.31	7.11
Ajax.....	37	1.2	1.1	50	3.4	1.7	...	1.0	1.70	4.59	6.84	9.09
Alexandria.....	45	Ø	..	50	2.8	1.3	w0.7	1.1	1.67	3.60	5.17	6.75
Alfred.....	42	1.2	1.1	50	3.2	1.6	0.9	1.3	1.11	4.32	6.34	8.37
Alliston.....	40	1.1	1.1	60	3.1	...	...	1.0	1.11	3.38	5.63	7.88
Almonte.....	35	□	..	50	2.8	1.4	w0.8	1.1	1.40	3.78	5.58	7.38
Alvinston.....	45	□	..	50	3.5	1.6	w0.8	1.1	1.39	4.45	6.25	8.05
Amherstburg.....	38	□	1.1	50	3.0	1.4	0.8	1.1	1.67	3.87	5.67	7.47
Ancaster Twp.....	43	..	Ø	1.1	50	4.2	2.1	w0.7	1.1	2.22	5.67	7.24
Apple Hill.....	56	..	..	60	4.0	...	...	1.0	1.39	3.87	6.12	8.37
Arkona.....	45	Ø	..	50	3.2	1.6	w0.8	1.1	1.11	4.32	6.12	7.92
Arnprior.....	37	1.2	1.1	50	2.6	1.3	...	0.8	1.39	3.51	5.31	7.11
Arthur.....	42	□	..	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Athens.....	41	□	..	50	2.4	1.2	w0.7	1.1	1.20	3.24	4.81	6.39
Atikokan Twp.....	40	□	1.1	50	3.4	1.7	w0.9	1.1	1.70	4.59	6.61	8.64
Aurora.....	37	1.1	1.1	50	3.0	1.5	0.8	1.1	1.50	4.05	5.85	7.65
Avonmore.....	40	Ø	★	50	4.0	2.0	w0.8	1.1	2.00	5.40	7.20	9.00
Aylmer.....	36	Ø	..	50	2.6	1.2	0.8	1.1	1.67	3.33	5.13	6.93
Ayr.....	44	1.1	1.1	60	2.9	...	...	1.0	1.11	3.28	5.53	7.78
Baden.....	40	□	1.1	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
†Bala.....	41	1.22	..	50	4.4	2.2	w0.8	1.2	3.33	5.94	7.74	9.54
Bancroft.....	46	Ø	1.1	50	3.5	1.4	w0.8	1.1	1.75	4.09	5.89	7.69
Barrie.....	38	1.1	1.1	50	4.0	...	...	1.0	2.00	3.60	5.85	8.10
Barry's Bay.....	42	Ø	..	50	2.6	1.3	w0.8	1.1	1.67	3.51	5.31	7.11
Bath.....	39	□/1.1	..	60	3.5	...	...	1.2	1.67	3.94	6.64	9.34
Beachburg.....	39	Ø	1.1	50	4.0	1.8	w0.7	1.1	2.22	5.04	6.61	8.19
Beachville.....	42	□	..	50	2.8	1.4	0.7	1.1	1.67	3.78	5.35	6.93
Beamsville.....	43	Ø	1.1	50	3.4	1.7	w0.8	1.1	1.75	4.59	6.39	8.19
†Beardmore.....	45	Ø	▲	50	4.0	2.0	w0.9	1.2	2.22	5.40	7.42	9.45
Beaverton.....	40	□	..	50	2.6	1.3	0.7	1.1	1.39	3.51	5.08	6.66
Beeton.....	40	Ø	..	50	3.2	1.1	w0.7	1.1	1.67	3.42	4.99	6.57
Belle River.....	42	□	1.1	50	3.6	1.8	w0.8	1.1	2.22	4.86	6.66	8.46
Belleville.....	32	Ø	1.1	50	3.2	1.3	w0.8	1.1	1.95	3.78	5.58	7.38
Belmont..... N 10%	44	Ø	1.0	50	4.0	1.4	w0.7	1.0	2.00	4.80	6.55	8.30
Blenheim.....	44	1.1	..	50	3.0	1.5	...	0.9	1.11	4.05	6.07	8.10
†Blind River.....	45	1.22	..	50	3.8	1.9	w0.8	1.1	1.39	5.13	6.93	8.73
Bloomfield.....	42	Ø	..	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Blyth.....	45	□	..	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Bobcaygeon.....	42	Ø	1.2	50	4.0	1.7	w0.8	1.2	2.22	4.86	6.66	8.46

†Retail service provided by The Hydro-Electric Power Commission of Ontario.  
For explanatory notes and water-heating schedules see pages 234 and 235.



## MUNICIPAL ELECTRICAL SERVICE

December 31, 1966

are subject to 10% prompt payment discount  
a minimum monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE									
Commercial Cooking per Kw	Space Heating per Kw (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kw for Use of Each Kw of Demand					Net Monthly Bill for Use of 1 Kw of Demand			
		Energy Rate per Kw for Use of Each Kw of Demand														
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours		First Block		Second Block		All Addi- tional Hours	200 Hours	300 Hours		
								Hours' Use 50 100	Hours' Use 50 100	Hours' Use 50 100	Hours' Use 50 100					
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$		
...	1.5	2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54		
...	1.5	2.2	0.8	0.5	3.15	3.60	1.00	..	1.6	..	0.5	0.33	2.79	3.09		
1.2	1.5	2.4	0.8	0.5	3.33	3.78	1.00	..	1.4	..	0.5	0.33	2.61	2.91		
1.1	1.5	2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45		
1.3	1.5	2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45		
...	1.5	2.6	...	1.0	3.69	4.59	1.20	1.9	..	1.3	..	0.30	2.79	3.06		
1.1	1.5	2.0	0.8	0.5	2.97	3.42	1.00	..	1.2	..	0.5	0.33	2.43	2.73		
...	...	3.2	0.8	0.5	4.05	4.50	1.00	..	2.7	..	0.5	0.33	3.78	4.08		
1.1	1.5	2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45		
1.1	1.5	3.6	0.8	0.5	4.41	4.86	1.00	..	2.7	..	0.5	0.33	3.78	4.08		
...	1.5	3.5	...	1.0	4.50	5.40	1.35	2.8	..	1.8	..	0.33	3.58	3.88		
...	1.5	2.9	0.8	0.5	3.78	4.23	1.00	..	2.4	..	0.5	0.33	3.51	3.81		
1.0	1.5	2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09		
1.1	1.5	2.5	0.8	0.5	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.97	3.27		
...	1.5	1.9	0.8	0.5	2.88	3.33	1.00	..	1.5	..	0.5	0.33	2.70	3.00		
1.5	1.5	3.0	0.8	0.5	3.87	4.32	1.00	..	2.0	..	0.5	0.33	3.15	3.45		
...	1.5	2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18		
...	1.5	3.0	0.8	0.5	3.87	4.32	1.00	..	2.0	..	0.5	0.33	3.15	3.45		
1.1	1.5	2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18		
...	1.5	2.4	...	0.9	3.42	4.23	1.20	2.1	..	1.4	..	0.30	2.92	3.19		
...	1.5	2.3	0.8	0.5	3.24	3.69	1.00	..	1.7	..	0.5	0.33	2.88	3.18		
1.6	1.5	4.2	0.8	0.5	4.95	5.40	1.00	..	2.7	..	0.5	0.33	3.78	4.08		
1.1	1.5	2.8	0.8	0.5	3.69	4.14	1.00	..	1.9	..	0.5	0.33	3.06	3.36		
1.0	1.5	2.0	...	0.8	2.97	3.69	1.00	1.4	..	0.9	..	0.25	2.16	2.38		
...	1.5	1.9	0.8	0.5	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.61	2.91		
...	...	3.0	...	1.2	4.23	5.31	1.35	3.5	..	2.3	..	0.33	4.12	4.42		
...	1.5	2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45		
...	1.5	2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18		
1.5	1.5	2.8	0.8	0.5	3.69	4.14	1.00	..	2.0	..	0.5	0.33	3.15	3.45		
1.2	1.5	3.7	0.8	0.5	4.50	4.95	1.00	..	2.8	..	0.5	0.33	3.87	4.17		
...	1.5	2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09		
1.5	1.5	2.3	0.8	0.5	3.24	3.69	1.00	..	1.7	..	0.5	0.33	2.88	3.18		
...	1.5	3.0	0.8	0.5	3.87	4.32	1.00	..	2.2	..	0.5	0.33	3.33	3.63		
1.22	1.5	2.2	0.8	0.5	3.15	3.60	1.00	..	1.6	..	0.5	0.33	2.79	3.09		
...	1.35	2.6	0.7	0.45	3.80	4.25	1.00	..	2.1	..	0.5	0.30	3.60	3.90		
1.2	1.5	2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63		
1.1	1.5	3.6	0.8	0.5	4.41	4.86	1.00	..	2.7	..	0.5	0.33	3.78	4.08		
...	1.5	2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09		
...	...	2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45		
1.5	1.5	3.3	0.8	0.5	4.14	4.59	1.00	..	2.6	..	0.5	0.33	3.69	3.99		

# RATES AND TYPICAL BILLS FOR in Effect

*Rates are quoted on a monthly basis and  
(unless otherwise noted) and*

	Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE										
		House Heating per Kwh (See Notes)	All-Electric Rate per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
					First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh	750 Kwh
	¢	¢	¢		¢	¢	¢	¢	\$	\$	\$	\$
Bolton.....	45	Ø	1.1	50	4.0	2.0	w0.8	1.1	2.00	5.40	7.20	9.00
Bothwell.....	45	□	..	50	2.6	1.3	w0.7	1.1	0.83	3.51	5.08	6.66
Bowmanville.....	35	..	1.1	50	3.0	1.2	w0.7	1.1	1.50	3.51	5.08	6.66
Bracebridge.....	39	□	..	60	3.0	...	...	1.2	0.83	3.67	6.37	9.07
Bradford.....	40	Ø	..	50	2.8	1.4	0.8	1.1	1.39	3.78	5.58	7.38
Braeside.....	36	Ø	1.1	50	2.6	1.3	...	1.1	0.83	3.51	5.98	8.46
Brampton.....N 10%	37	Ø	1.0	50	5.0	1.3	w0.6	1.0	2.50	5.10	6.60	8.10
Brantford.....	41	□	..	60	2.2	1.2	w0.8	1.2	0.83	3.24	5.08	6.88
§§Brantford Twp.....	42	Ø	1.1	50	3.8	1.8	w0.8	1.1	1.67	4.95	6.75	8.55
Brechin.....	40	Ø	..	50	2.2	1.1	0.7	1.1	1.11	2.97	4.54	6.12
Bridgeport.....	45	Ø	1.1	50	4.0	1.6	w0.8	1.1	2.00	4.68	6.48	8.28
Brigden.....	45	□	..	50	2.6	1.1	w0.7	1.1	1.11	3.15	4.72	6.30
Brighton.....	42	1.1	..	50	3.0	1.4	w0.7	1.0	1.50	3.87	5.44	7.02
Brockville.....	38	1.1	1.1	50	2.9	1.4	w0.8	1.1	1.45	3.82	5.62	7.42
Brussels.....	45	□	1.2	50	3.2	1.6	0.9	1.3	1.39	4.32	6.34	8.37
Burford.....	43	Ø	1.1	50	3.0	1.5	0.9	1.1	1.11	4.05	6.07	8.10
Burgessville.....	43	Ø	1.1	50	4.0	1.1	w0.8	1.1	2.00	3.78	5.58	7.38
Burk's Falls.....	45	□	1.1	50	3.4	1.4	w0.9	1.1	1.67	4.05	6.07	8.10
§§Burlington.....	42	□	1.1	50	4.0	1.8	w0.8	1.1	2.00	5.04	6.84	8.64
Cache Bay.....	43	□	..	50	3.0	1.3	w0.8	1.1	1.67	3.69	5.49	7.29
§Caledonia.....	45	Ø	..	50	2.7	1.3	w0.8	1.1	2.00	3.55	5.35	7.15
Campbellford.....	35	Ø	..	50	1.7	1.1	0.5	1.0	1.67	2.74	3.87	4.99
Campbellville..... N 10%	45	..	1.0	50	3.5	1.5	w0.7	1.0	1.75	4.75	6.50	8.25
Cannington.....	42	1.1	..	50	3.2	1.1	w0.7	1.0	1.67	3.42	4.99	6.57
§Capreol.....	43	Ø	..	50	3.2	1.3	w0.8	1.1	2.25	3.78	5.58	7.38
Cardinal.....	40	□	..	50	2.6	1.3	w0.8	1.1	1.30	3.51	5.31	7.11
Carleton Place.....	39	Ø	..	50	3.2	1.6	...	1.1	1.11	4.32	6.79	9.27
Casselman.....	38	Ø	1.1	50	3.0	1.5	w0.8	1.1	1.70	4.05	5.85	7.65
Cayuga.....	45	□	1.1	50	3.4	1.7	0.8	1.1	2.00	4.59	6.39	8.19
Chalk River.....	40	Ø	1.1	50	3.6	1.6	w0.7	1.1	1.80	4.50	6.07	7.65
Chapleau Twp. N 10%	45	Ø	◆	50	5.0	2.5	w0.9	1.2	2.50	7.50	9.75	12.00
Chatham..... N 10%	38	Ø	1.0	50	4.0	1.5	...	1.0	2.00	5.00	7.50	10.00
Chatsworth.....	46	1.1	..	50	2.8	1.4	0.8	1.1	1.39	3.78	5.58	7.38
Chesley..... N 10%	38	Ø	..	50	2.4	1.0	w0.6	1.0	1.20	3.20	4.70	6.20
Chesterville.....	41	Ø	..	50	2.8	1.3	w0.7	1.1	1.40	3.60	5.17	6.75
Chippawa.....	42	Ø	1.1	50	3.2	1.6	w0.8	1.1	1.67	4.32	6.12	7.92
Clifford.....	45	□	1.1	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07	8.10
Clinton.....	41	□	1.1	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	8.10
†Cobalt.....	42	Ø	◆	50	4.0	2.0	w0.8	1.1	1.39	5.40	7.20	9.00
Cobden.....	36	1.1	..	50	2.0	1.0	0.7	1.0	1.67	2.70	4.27	5.85

†Retail service provided by The Hydro-Electric Power Commission of Ontario.  
For explanatory notes and water-heating schedules see pages 234 and 235.

## MUNICIPAL ELECTRICAL SERVICE

December 31, 1966

are subject to 10% prompt payment discount  
a minimum monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE									
Commercial Cooking per Kw/h	Space Heating per Kw/h (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kw/h for Use of Each Kw of Demand					Net Monthly Bill for Use of 1 Kw of Demand			
		Energy Rate per Kw/h for Use of Each Kw of Demand						First Block Hours' Use 50 100	Second Block Hours' Use 50 100	All Addi- tional Hours						
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours					200 Hours	300 Hours				
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$		
1.3	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.1	..	0.5	0.33	3.24	3.54		
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18		
...	1.5	°1.7	0.8	0.5	2.70	3.15	1.00	..	1.2	..	0.5	0.33	2.43	2.73		
1.2	1.5	2.0	...	1.0	3.15	4.05	1.20	1.4	..	0.9	..	0.30	2.38	2.65		
1.1	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27		
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18		
1.2	1.35	°2.2	0.7	0.4	3.40	3.80	1.00	..	1.6	..	0.5	0.30	3.10	3.40		
...	1.5	1.8	...	0.7	2.70	3.33	1.20	1.4	..	0.9	..	0.30	2.38	2.65		
1.1	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.97	3.27		
...	1.5	°1.7	0.8	0.5	2.70	3.15	1.00	..	1.2	..	0.5	0.33	2.43	2.73		
1.2	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.9	..	0.5	0.33	3.06	3.36		
1.1	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27		
1.0	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.97	3.27		
1.1	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.2	..	0.5	0.33	2.43	2.73		
...	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72		
1.2	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.97	3.27		
...	1.5	°3.5	0.8	0.5	4.32	4.77	1.00	..	2.9	..	0.5	0.33	3.96	4.26		
1.4	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36		
1.1	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27		
1.1	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.5	..	0.5	0.33	2.70	3.00		
1.1	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63		
...	1.5	°1.2	0.8	0.5	2.25	2.70	1.00	..	0.7	..	0.5	0.33	1.98	2.28		
1.2	1.35	°2.5	0.7	0.45	3.70	4.15	1.00	..	2.0	..	0.5	0.30	3.50	3.80		
1.1	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18		
...	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72		
...	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27		
...	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	1.8	..	0.5	0.33	2.97	3.27		
1.3	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.97	3.27		
...	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.5	..	0.5	0.33	3.60	3.90		
1.1	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18		
1.3	1.35	°4.5	0.8	0.5	5.80	6.30	1.00	..	4.0	..	0.8	0.50	5.80	6.30		
1.2	1.35	3.3	1.0	0.45	4.80	5.25	1.00	..	1.8	..	0.5	0.35	3.30	3.65		
...	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45		
1.1	1.35	1.7	0.7	0.45	2.90	3.35	1.00	..	1.1	..	0.5	0.30	2.60	2.90		
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.8	..	0.5	0.33	2.97	3.27		
1.4	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	1.7	..	0.5	0.33	2.88	3.18		
1.2	...	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63		
...	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45		
1.1	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	..	2.4	..	0.5	0.33	3.51	3.81		
...	...	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.3	..	0.5	0.33	2.52	2.82		

RATES AND TYPICAL BILLS FOR  
in Effect

Rates are quoted on a monthly basis and  
(unless otherwise noted) and

	Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE										
		House Heating per Kwh (See Notes)	All-Electric Rate per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
					First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh	750 Kwh
	¢	¢	¢		¢	¢	¢	¢	\$	\$	\$	\$
Cobourg.....	41	Ø	..	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Cochrane..... N 10%	35	Ø	1.0	50	3.2	1.5	...	1.0	1.60	4.60	7.10	9.60
Colborne.....	43	1.1	..	60	3.8	...	...	1.0	0.83	3.76	6.01	8.26
Coldwater.....	40	1.1	..	50	2.6	1.3	0.7	1.0	1.11	3.51	5.08	6.66
Collingwood.....	41	□	..	50	2.4	1.2	0.7	1.1	1.11	3.24	4.81	6.39
Comber.....	45	Ø	1.1	50	3.0	1.5	0.9	1.1	1.11	4.05	6.07	8.10
Coniston.....	42	Ø	1.1	50	3.2	1.3	w0.7	1.1	2.22	3.78	5.35	6.93
Cookstown.....	45	Ø	..	50	2.6	1.1	w0.7	1.1	1.67	3.15	4.72	6.30
Cottam.....	41	Ø	..	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Courtright.....	45	Ø	1.1	50	4.0	2.0	w0.8	1.1	2.22	5.40	7.20	9.00
Creemore..... N 10%	44	Ø	..	50	2.5	1.1	w0.6	1.0	1.25	3.45	4.95	6.45
Dashwood.....	45	1.2	1.2	50	3.6	1.8	1.1	1.5	1.11	4.86	7.33	9.81
Deep River.....	40	1.1	1.1	50	3.4	1.4	...	0.9	1.67	4.05	6.07	8.10
Delaware.....	44	Ø	..	50	4.0	1.7	w0.8	1.1	2.00	4.86	6.66	8.46
Delhi.....	43	□	..	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Deseronto..... N 10%	44	Ø	1.0	50	3.0	1.2	w0.7	1.0	1.50	3.90	5.65	7.40
Dorchester.....	43	□	..	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58	7.38
Drayton.....	44	□	1.2	50	3.4	1.7	1.0	1.4	1.11	4.59	6.84	9.09
Dresden.....	44	□	..	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	8.10
Drumbo.....	45	□	..	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Dryden.....	35	□	..	50	3.8	1.9	w0.7	1.1	1.90	5.13	6.70	8.28
Dublin.....	40	Ø	1.1	50	2.8	1.3	0.8	1.1	1.67	3.60	5.40	7.20
Dundalk.....	44	1.1	..	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Dundas.....	43	..	1.1	50	3.6	1.8	w0.8	1.1	1.80	4.86	6.66	8.46
Dunnville.....	45	1.1	1.1	50	2.8	1.4	...	0.9	0.83	3.78	5.80	7.83
Durham..... N 10%	40	Ø	..	50	2.8	1.2	w0.7	1.0	1.40	3.80	5.55	7.30
Dutton.....	47	Ø	..	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58	7.38
East York Twp.....	35	1.2	1.1	50	3.34	1.3	...	0.9	1.67	3.84	5.87	7.89
Eganville.....	41	Ø	..	50	3.0	1.5	w0.8	1.1	1.50	4.05	5.85	7.65
†Elk Lake.....	42	1.22	..	50	3.6	1.8	w0.8	1.1	1.39	4.86	6.66	8.46
Elmira.....	45	□	1.1	50	3.0	1.5	0.8	1.2	1.39	4.05	5.85	7.65
Elmvale.....	40	Ø	..	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Elmwood.....	39	1.1	..	50	2.6	1.3	0.7	1.0	1.11	3.51	5.08	6.66
Elora.....	44	Ø	1.1	50	5.0	1.8	w0.8	1.1	2.50	5.49	7.29	9.09
Embro.....	44	Ø	..	60	3.3	...	...	1.1	0.83	3.66	6.14	8.61
Embrun..... N 10%	39	Ø	+	50	4.0	1.8	w0.7	1.0	2.00	5.60	7.35	9.10
†Englehart.....	42	Ø	+	50	4.0	2.0	w0.8	1.1	1.39	5.40	7.20	9.00
Erieau.....	45	1.2	..	50	2.8	1.4	...	0.8	2.22	3.78	5.58	7.38
Erie Beach.....	45	1.1	..	50	4.0	2.0	...	1.1	2.78	5.40	7.87	10.35
Erin.....	40	□	..	50	3.0	1.5	0.8	1.2	1.39	4.05	5.85	7.65

†Retail service provided by The Hydro-Electric Power Commission of Ontario.  
For explanatory notes and water-heating schedules see pages 234 and 235.



## MUNICIPAL ELECTRICAL SERVICE

December 31, 1966

are subject to 10% prompt payment discount  
a minimum monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand					Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per Kwh for Use of Each Kw of Demand						First Block Hours' Use 50 100	Second Block Hours' Use 50 100	All Addi- tional Hours				
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours					200 Hours	300 Hours		
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$
1.1	1.5	2.0	0.8	0.5	2.97	3.42	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	1.35	2.6	0.7	0.45	3.80	4.25	1.00	..	1.6	..	0.5	0.30	3.10	3.40
...	1.5	3.0	...	1.0	4.05	4.95	1.35	2.8	...	1.8	...	0.33	3.58	3.88
...	1.5	2.1	0.8	0.5	3.06	3.51	1.00	...	1.6	...	0.5	0.33	2.79	3.09
...	1.5	1.9	0.8	0.5	2.88	3.33	1.00	...	1.3	...	0.5	0.33	2.52	2.82
...	1.5	2.7	0.8	0.5	3.60	4.05	1.00	...	2.2	...	0.5	0.33	3.33	3.63
1.2	1.5	2.7	0.8	0.5	3.60	4.05	1.00	...	2.0	...	0.5	0.33	3.15	3.45
...	1.5	2.0	0.8	0.5	2.97	3.42	1.00	...	1.4	...	0.5	0.33	2.61	2.91
...	1.5	2.8	0.8	0.5	3.69	4.14	1.00	...	2.3	...	0.5	0.33	3.42	3.72
1.5	1.5	3.5	0.8	0.5	4.32	4.77	1.00	...	2.4	...	0.5	0.33	3.51	3.81
...	1.35	1.6	0.7	0.45	2.80	3.25	1.00	...	1.1	...	0.5	0.30	2.60	2.90
...	1.5	3.1	0.8	0.5	3.96	4.41	1.00	...	2.4	...	0.5	0.33	3.51	3.81
...	1.5	2.4	0.8	0.5	3.33	3.78	1.00	...	1.7	...	0.5	0.33	2.88	3.18
...	1.5	3.6	0.8	0.5	4.41	4.86	1.00	...	2.6	...	0.5	0.33	3.69	3.99
1.1	1.5	2.4	0.8	0.5	3.33	3.78	1.00	...	1.8	...	0.5	0.33	2.97	3.27
1.2	1.35	2.4	0.7	0.45	3.60	4.05	1.00	...	1.7	...	0.5	0.30	3.20	3.50
...	...	2.6	0.8	0.5	3.51	3.96	1.00	...	2.1	...	0.5	0.33	3.24	3.54
...	1.5	2.9	0.8	0.5	3.78	4.23	1.00	...	2.2	...	0.5	0.33	3.33	3.63
...	...	2.8	0.8	0.5	3.69	4.14	1.00	...	2.3	...	0.5	0.33	3.42	3.72
...	1.5	2.7	0.8	0.5	3.60	4.05	1.00	...	2.2	...	0.5	0.33	3.33	3.63
1.2	1.5	3.1	0.8	0.5	3.96	4.41	1.00	...	2.4	...	0.5	0.33	3.51	3.81
1.4	1.5	2.5	0.8	0.5	3.42	3.87	1.00	...	2.3	...	0.5	0.33	3.42	3.72
...	1.5	2.3	0.8	0.5	3.24	3.69	1.00	...	1.7	...	0.5	0.33	2.88	3.18
...	1.5	2.7	0.8	0.5	3.60	4.05	1.00	...	1.7	...	0.5	0.33	2.88	3.18
1.1	1.5	2.5	0.8	0.5	3.42	3.87	1.00	...	1.9	...	0.5	0.33	3.06	3.36
1.1	1.35	2.1	0.7	0.45	3.30	3.75	1.00	...	1.5	...	0.5	0.30	3.00	3.30
...	...	2.5	0.8	0.5	3.42	3.87	1.00	...	2.0	...	0.5	0.33	3.15	3.45
...	1.5	2.0	0.8	0.5	2.97	3.42	1.00	...	1.4	...	0.5	0.33	2.61	2.91
1.1	1.5	3.3	0.8	0.5	4.14	4.59	1.00	...	2.3	...	0.5	0.33	3.42	3.72
1.1	1.5	3.0	0.8	0.5	3.87	4.32	1.00	...	2.4	...	0.5	0.33	3.51	3.81
1.2	1.5	2.8	0.8	0.5	3.69	4.14	1.00	...	1.9	...	0.5	0.33	3.06	3.36
...	1.5	2.1	0.8	0.5	3.06	3.51	1.00	...	1.6	...	0.5	0.33	2.79	3.09
...	...	2.3	0.8	0.5	3.24	3.69	1.00	...	1.8	...	0.5	0.33	2.97	3.27
...	1.5	2.8	0.8	0.5	3.69	4.14	1.00	...	2.0	...	0.5	0.33	3.15	3.45
1.1	1.5	2.7	...	0.7	3.51	4.14	1.35	3.1	...	2.0	...	0.33	3.81	4.10
1.35	1.35	2.2	0.7	0.45	3.40	3.85	1.00	...	1.6	...	0.5	0.30	3.10	3.40
1.1	1.5	3.6	0.8	0.5	4.41	4.86	1.00	...	2.4	...	0.5	0.33	3.51	3.81
1.1	1.5	2.8	0.8	0.5	3.69	4.14	1.00	...	2.5	...	0.5	0.33	3.60	3.90
...	...	3.5	0.8	0.5	4.32	4.77	1.00	...	2.6	...	0.5	0.33	3.69	3.99
1.2	...	2.5	0.8	0.5	3.42	3.87	1.00	...	1.7	...	0.5	0.33	2.88	3.18

RATES AND TYPICAL BILLS FOR  
in Effect

Rates are quoted on a monthly basis and  
(unless otherwise noted) and

	Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE										
		House Heating per Kwh (See Notes)	All-Electric Rate per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
					First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh	750 Kwh
Espanola . . . . . N 10%	35	∅	1.0	50	3.0	1.2	w0.6	1.0	2.00	3.90	5.40	6.90
Essex . . . . .	43	□	1.1	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85	7.65
Etobicoke Twp. . . . .	40	1.2	1.1	60	4.0	...	...	1.0	1.25	3.87	6.12	8.37
Exeter . . . . .	40	∅	..	50	3.6	1.8	w0.8	1.1	2.22	4.86	6.66	8.46
Fergus . . . . .	41	∅	1.1	50	4.0	1.5	w0.7	1.1	2.00	4.50	6.07	7.65
Finch . . . . .	42	1.5	..	50	3.0	1.5	0.8	1.2	1.95	4.05	5.85	7.65
Flesherton . . . . .	40	∅	..	50	2.0	1.1	0.6	1.1	1.11	2.88	4.23	5.58
Fonthill . . . . .	41	∅	1.1	50	3.4	1.2	w0.8	1.1	1.70	3.69	5.49	7.29
Forest . . . . .	41	□	..	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Forest Hill . . . . .	37	1.2	1.1	50	3.0	1.5	0.8	1.2	0.83	4.05	5.85	7.65
Fort William . . . . .	31	1.2	1.11	60	2.0	...	...	0.8	0.83	2.45	4.25	6.05
Frankford . . . . .	36	□	..	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Galt . . . . .	36	□	1.1	50	3.0	...	...	1.1	2.00	3.33	5.80	8.28
Georgetown . . . . .	39	□/1.2	..	50	3.2	1.5	w0.7	1.1	2.00	4.14	5.71	7.29
Glen Williams . . . . .	39	□/1.2	..	50	3.2	1.6	w0.8	1.1	2.00	4.32	6.12	7.92
†Geraldton . . . . .	45	∅	▲	50	4.0	2.0	w0.9	1.2	2.22	5.40	7.42	9.45
Glencoe . . . . .	45	1.1	..	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81	6.39
Gloucester Twp N 10%	38	∅	◆	50	4.0	1.7	w0.7	1.0	2.00	5.40	7.15	8.90
Goderich . . . . .	42	□	1.1	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85	7.65
†Gogama . . . . .	45	1.5	..	50	7.0	3.5	...	1.6	2.78	9.45	13.05	16.65
Grand Bend . . . . .	42	1.35	..	50	4.0	2.0	...	1.4	2.50	5.40	8.55	11.70
Grand Valley . . . . . N 10%	..	□	..	50	2.8	1.1	w0.7	1.0	1.40	3.60	5.35	7.10
Granton . . . . .	50	..	..	60	3.9	...	...	1.4	1.11	4.50	7.65	10.80
Gravenhurst . . . . .	40	1.2	..	50	2.8	1.1	w0.7	1.0	1.67	3.24	4.81	6.39
Grimsby . . . . .	43	1.1	1.1	50	3.2	1.6	w0.8	1.0	1.39	4.32	6.12	7.92
§Guelph . . . . .	34	□	1.1	50	3.6	1.8	1.0	1.1	1.67	4.86	7.11	9.36
Hagersville . . . . .	41	□	..	60	2.8	...	...	1.1	0.83	3.39	5.87	8.34
†Haileybury . . . . .	42	∅	◆	50	4.0	2.0	w0.8	1.1	1.39	5.40	7.20	9.00
Hamilton . . . . .	40	□	1.1	60	2.7	...	...	1.1	0.83	3.34	5.81	8.29
Hanover . . . . .	38	1.1	..	60	2.2	...	...	1.0	0.83	2.90	5.15	7.40
Harriston . . . . .	39	□	1.1	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07	8.10
Harrow . . . . .	38	□	1.1	50	3.0	1.5	0.9	1.2	0.83	4.05	6.07	8.10
Hastings . . . . .	41	∅	..	50	4.0	1.3	w0.7	1.1	2.22	4.14	5.71	7.29
Havelock . . . . .	40	□	..	50	2.8	1.3	w0.8	1.1	1.40	3.60	5.40	7.20
Hawkesbury . . . . .	36	□	1.1	50	3.0	1.5	w0.7	1.1	1.70	4.05	5.62	7.20
Hearst . . . . .	45	∅	1.1	50	4.6	1.5	w0.7	1.1	2.78	4.77	6.34	7.92
Hensall . . . . .	45	1.2	..	60	3.2	...	...	1.0	0.83	3.44	5.69	7.94
†Hepworth . . . . .	45	1.22	..	50	3.6	1.8	w0.8	1.1	1.67	4.86	6.66	8.46
Hespeler . . . . .	38	□	1.1	60	3.2	...	...	1.1	0.83	3.61	6.08	8.56
Highgate . . . . .	45	1.2	..	60	3.2	...	...	0.9	0.83	3.27	5.29	7.32
Holstein . . . . .	41	1.1	..	60	3.0	...	...	1.0	1.11	3.33	5.58	7.83

†Retail service provided by The Hydro-Electric Power Commission of Ontario.  
For explanatory notes and water-heating schedules see pages 234 and 235.

## MUNICIPAL ELECTRICAL SERVICE

December 31, 1966

are subject to 10% prompt payment discount  
a minimum monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE									
Commercial Cooking per Kw/h	Space Heating per Kw/h (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kw/h for Use of Each Kw of Demand						Net Monthly Bill for Use of 1 Kw of Demand		
		Energy Rate per Kw/h for Use of Each Kw of Demand														
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours		Hours' Use 50 100	First Block	Second Block	All Addi- tional Hours	200 Hours	300 Hours			
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$		
1.2	1.35	2.0	0.7	0.45	3.20	3.65	1.00	..	1.2	..	0.5	0.30	2.70	3.00		
...	1.5	2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45		
...	...	2.4	0.8	0.5	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.88	3.18		
1.2	1.5	3.0	0.8	0.5	3.87	4.32	1.00	..	2.3	..	0.5	0.33	3.42	3.72		
1.3	1.5	2.8	0.8	0.5	3.69	4.14	1.00	..	2.0	..	0.5	0.33	3.15	3.45		
...	1.5	2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45		
...	1.5	1.6	0.8	0.5	2.61	3.06	1.00	..	1.0	..	0.5	0.33	2.25	2.55		
1.3	1.5	2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63		
1.1	...	2.2	0.8	0.5	3.15	3.60	1.00	..	1.6	..	0.5	0.33	2.79	3.09		
...	1.5	1.8	0.8	0.5	2.79	3.24	1.00	..	1.3	..	0.5	0.33	2.52	2.82		
0.8	...	1.9	...	0.4	2.52	2.88	1.00	1.4	..	0.9	..	0.33	2.23	2.53		
1.1	...	1.8	0.8	0.5	2.79	3.24	1.00	..	1.1	..	0.5	0.33	2.34	2.64		
1.1	1.5	2.2	0.8	0.5	3.15	3.60	1.20	1.6	..	1.0	..	0.30	2.52	2.79		
1.1	1.5	2.4	0.8	0.5	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.88	3.18		
...	1.5	2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45		
1.2	1.5	3.7	0.8	0.5	4.50	4.95	1.00	..	2.8	..	0.5	0.33	3.87	4.17		
...	1.5	2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36		
1.35	1.35	2.0	0.7	0.45	3.20	3.65	1.00	..	1.4	..	0.5	0.30	2.90	3.20		
1.3	1.5	2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45		
1.6	1.5	5.8	0.8	0.5	6.39	6.84	1.00	..	5.1	..	0.5	0.33	5.94	6.24		
1.4	1.5	3.8	0.8	0.5	4.59	5.04	1.00	..	2.8	..	0.5	0.33	3.87	4.17		
...	...	2.2	0.7	0.45	3.40	3.85	1.00	..	1.4	..	0.5	0.30	2.90	3.20		
...	...	3.4	...	1.3	4.68	5.85	1.35	2.6	..	1.7	..	0.33	3.45	3.74		
1.0	1.5	1.9	0.8	0.5	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.61	2.91		
1.0	1.5	2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63		
...	1.5	2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27		
1.1	...	2.3	...	0.9	3.33	4.14	1.20	1.7	..	1.2	..	0.30	2.65	2.92		
1.1	1.5	3.6	0.8	0.5	4.41	4.86	1.00	..	2.4	..	0.5	0.33	3.51	3.81		
...	...	2.0	0.8	0.5	2.97	3.42	1.00	..	1.2	..	0.5	0.35	2.43	2.74		
...	1.5	1.7	...	1.0	2.88	3.78	1.00	1.5	..	0.9	..	0.30	2.25	2.52		
1.2	1.5	2.8	0.8	0.5	3.69	4.14	1.00	..	2.1	..	0.5	0.33	3.24	3.54		
1.2	1.5	2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45		
1.1	1.5	2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36		
1.2	1.5	2.3	0.8	0.5	3.24	3.69	1.00	..	1.7	..	0.5	0.33	2.88	3.18		
1.2	1.5	2.4	0.8	0.5	3.33	3.78	1.00	..	1.6	..	0.5	0.33	2.79	3.09		
1.2	1.5	2.8	0.8	0.5	3.69	4.14	1.00	..	2.0	..	0.5	0.33	3.15	3.45		
...	...	2.7	...	0.9	3.69	4.50	1.20	2.1	..	1.4	..	0.30	2.92	3.19		
1.5	1.5	3.2	0.8	0.5	4.05	4.50	1.00	..	2.4	..	0.5	0.33	3.51	3.81		
...	...	2.6	...	0.9	3.60	4.41	1.20	1.6	..	1.0	..	0.33	2.55	2.84		
...	...	2.8	...	0.7	3.60	4.23	1.35	2.6	..	1.7	..	0.33	3.45	3.74		
...	...	2.5	...	0.8	3.42	4.14	1.35	3.5	..	2.3	..	0.33	4.12	4.42		

RATES AND TYPICAL BILLS FOR  
in Effect

Rates are quoted on a monthly basis and  
(unless otherwise noted) and

	Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE										
		House Heating per Kwh (See Notes)	All-Electric Rate per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
					First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh	750 Kwh
	¢	¢	¢		¢	¢	¢	¢	\$	\$	\$	\$
†Hornepayne.....	60	Ø	▲	50	6.6	2.3	w1.0	1.33	3.33	7.11	9.36	11.61
†Hudson.....	45	Ø	▲	50	4.4	2.2	w0.9	1.2	2.22	5.94	7.96	9.99
Huntsville..... N 10%	40	□	..	50	2.8	1.1	w0.7	1.0	1.40	3.60	5.35	7.10
Ingersoll.....	*40	□	1.1	50	3.6	1.8	w0.7	1.1	1.80	4.86	6.43	8.01
Iroquois.....	40	□/1.2	..	50	2.8	1.4	w0.7	1.1	1.67	3.78	5.35	6.93
Jarvis.....	45	1.1	..	50	3.2	1.6	0.9	1.3	0.83	4.32	6.34	8.37
†Jellicoe.....	45	Ø	◆	50	4.4	2.2	w0.9	1.2	2.22	5.94	7.96	9.99
Kapuskasing.....	35	□	..	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	8.10
†Kearns Townsite.....	45	1.22	..	50	3.6	1.8	w0.8	1.1	1.39	4.86	6.66	8.46
Kemptville.....	43	Ø	1.1	50	4.0	1.5	w0.8	1.1	2.00	4.50	6.30	8.10
Killaloe Station.....	42	Ø	◆	50	4.2	2.1	w0.8	1.1	2.22	5.67	7.47	9.27
Kincardine..... N 10%	43	Ø	..	50	2.8	1.1	w0.6	1.0	1.40	3.60	5.10	6.60
King City..... N 10%	42	Ø	●	50	3.6	1.7	w0.7	1.0	1.80	5.20	6.95	8.70
†King Kirkland.....	42	1.22	..	50	3.6	1.8	w0.8	1.1	1.39	4.86	6.66	8.46
Kingston.....	38	x □	..	50	2.2	1.1	...	1.0	1.11	2.97	5.22	7.47
Kingsville.....	40	..	1.1	50	2.4	1.2	0.7	1.0	0.83	3.24	4.81	6.39
Kirkfield.....	40	Ø	..	50	3.2	1.6	1.0	1.1	1.67	4.32	6.57	8.82
†Kirkland Lake.....	42	Ø	◎	50	3.6	1.8	w0.8	1.1	1.39	4.86	6.66	8.46
† Swastika.....	42	1.22	..	50	3.6	1.8	w0.8	1.1	1.39	4.86	6.66	8.46
Kitchener.....	..	Ø	1.1	50	3.6	1.2	0.7	1.1	1.80	3.78	5.35	6.93
Lakefield..... N 10%	38	Ø	1.0	50	3.0	1.2	w0.7	1.0	1.50	3.90	5.65	7.40
Lambeth.....	43	1.1	1.1	50	3.5	1.7	w0.8	1.3	1.75	4.63	6.43	8.23
Lanark.....	39	1.1	..	50	2.2	1.1	0.7	1.0	0.83	2.97	4.54	6.12
Lancaster.....	40	..	1.1	50	3.4	1.7	w0.8	1.1	1.70	4.59	6.39	8.19
Larder Lake Twp.....	43	1.2	..	60	3.5	...	...	1.1	1.11	3.77	6.25	8.72
Latchford.....	43	Ø	1.1	50	3.0	1.5	0.8	1.2	1.39	4.05	5.85	7.65
Leamington.....	41	□	..	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Lindsay.....	41	□	1.1	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Listowel.....	41	Ø	1.1	50	2.8	1.4	0.8	1.1	2.00	3.78	5.58	7.38
London..... N 10%	38	Ø	1.0	50	4.0	1.3	...	1.0	2.00	4.60	7.10	9.60
Long Branch.....	37	1.2	..	60	3.3	...	...	1.0	2.00	3.49	5.74	7.99
L'Orignal.....	40	□	1.1	50	3.4	1.7	w0.8	1.1	1.70	4.59	6.39	8.19
Lucan.....	40	Ø	1.1	50	3.2	1.4	w0.8	1.1	1.67	3.96	5.76	7.56
Lucknow.....	45	1.1	..	55	2.7	...	...	1.0	1.39	3.10	5.35	7.60
Lynden.....	43	Ø	1.1	50	3.0	1.2	w0.7	1.1	1.50	3.51	5.08	6.66
Madoc.....	40	1.2	1.1	50	2.4	1.2	0.7	1.0	0.83	3.24	4.81	6.39
Magnetawan.....	45	Ø	◆	50	4.2	2.1	w0.9	1.2	2.22	5.67	7.69	9.72
Markdale.....	45	1.1	..	60	2.5	...	...	1.0	1.11	3.06	5.31	7.56
Markham.....	44	1.2	1.1	50	3.4	1.7	w0.8	1.1	1.70	4.59	6.39	8.19
Marmora.....	43	□	..	50	2.8	1.4	0.8	1.1	1.39	3.78	5.58	7.38
Martintown.....	38	1.5	..	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38

†Retail service provided by The Hydro-Electric Power Commission of Ontario.  
xHouse heating through the regular residential meter but with all consumption over 750 kwh, billed at 1.1¢ gross per kwh.  
\*Applicable to flat rate water heaters of 750w and above, for flat rate water heaters below 750w apply schedule No. 43.  
For explanatory notes and water-heating schedules see pages 234 and 235.



## MUNICIPAL ELECTRICAL SERVICE

December 31, 1966

are subject to 10% prompt payment discount  
a minimum monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE							
Commercial Cooking per KwH	Space Heating per KwH (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per KwH for Use of Each Kw of Demand					Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per KwH for Use of Each Kw of Demand												
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours		First Block Hours' Use 50 100	Second Block Hours' Use 50 100	All Addi- tional Hours	200 Hours	300 Hours		
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$
1.5	1.5	°6.0	0.8	0.5	6.57	7.02	1.00	..	4.3	..	0.5	0.33	5.22	5.52
1.2	1.5	°3.8	0.8	0.5	4.59	5.04	1.00	..	3.3	..	0.5	0.33	4.32	4.62
1.1	1.35	°1.9	0.7	0.4	3.10	3.50	1.00	..	1.0	..	0.5	0.30	2.50	2.80
1.1	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.1	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
1.2	1.5	°3.8	0.8	0.5	4.59	5.04	1.00	..	3.3	..	0.5	0.33	4.32	4.62
1.2	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	...	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.2	1.35	°2.4	0.7	0.45	3.60	4.05	1.00	..	1.8	..	0.5	0.30	3.30	3.60
1.1	1.35	°2.0	0.7	0.45	3.20	3.65	1.00	..	1.7	..	0.5	0.30	3.20	3.50
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	1.5	2.2	0.8	0.5	3.15	3.60	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.2	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.2	1.35	°2.7	0.7	0.45	3.90	4.35	1.00	..	1.6	..	0.5	0.30	3.10	3.40
...	...	°3.1	0.8	0.5	3.96	4.41	1.00	..	2.6	..	0.5	0.33	3.69	3.99
...	1.5	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.61	2.91
...	...	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	...	3.0	...	1.0	4.05	4.95	1.35	3.1	..	2.0	..	0.33	3.81	4.10
...	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.1	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.2	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.0	1.35	°2.2	0.7	0.45	3.40	3.85	1.00	..	1.5	..	0.5	0.30	3.00	3.30
1.2	1.5	°1.8	0.8	0.5	2.79	3.24	1.00	..	1.3	..	0.5	0.33	2.52	2.82
1.1	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.4	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	1.5	2.2	...	0.8	3.15	3.87	1.35	2.8	..	1.8	..	0.33	3.58	3.88
1.2	1.5	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.0	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.5	1.5	°3.7	0.8	0.5	4.50	4.95	1.00	..	2.8	..	0.5	0.33	3.87	4.17
...	...	2.0	...	1.0	3.15	4.05	1.20	1.9	..	1.3	..	0.30	2.79	3.06
1.2	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.7	..	0.5	0.33	2.88	3.18

RATES AND TYPICAL BILLS FOR  
in Effect

Rates are quoted on a monthly basis and  
(unless otherwise noted) and

	Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE										
		House Heating per Kwh (See Notes)	All-Electric Rate per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
					First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh	750 Kwh
	¢	¢	¢		¢	¢	¢	¢	\$	\$	\$	\$
Massey.....	45	Ø	1.2	50	4.5	2.2	w0.8	1.2	1.67	5.98	7.78	9.58
†Matachewan.....	45	1.22	..	50	3.6	1.8	w0.8	1.1	1.39	4.86	6.66	8.46
†Matheson.....	45	1.22	..	50	3.4	1.7	w0.8	1.1	1.39	4.59	6.39	8.19
†Mattawa.....	45	1.22	..	50	5.2	2.6	w0.8	1.1	1.67	7.02	8.82	10.62
Maxville.....	46	□	1.1	50	3.0	1.5	w0.8	1.1	1.50	4.05	5.85	7.65
McGarry Twp.....	40	1.2	..	60	3.5	...	...	1.1	1.11	3.77	6.25	8.72
Meaford.....	42	1.1	..	60	2.6	...	...	1.0	0.83	3.11	5.36	7.61
Merlin.....	44	1.2	..	60	3.1	...	...	1.0	0.83	3.38	5.63	7.88
Merrickville.....	41	□	1.1	50	3.2	1.6	w0.8	1.1	1.60	4.32	6.12	7.92
Midland..... N 5%	39	Ø	..	50	2.4	1.0	w0.6	1.0	1.50	3.20	4.70	6.20
Mildmay.....	40	1.1	..	50	3.2	1.4	w0.8	1.1	1.67	3.96	5.76	7.56
Millbrook.....	43	□	..	50	4.0	2.0	w0.8	1.1	2.00	5.40	7.20	9.00
Milton..... N 10%	43	1.0	1.0	50	3.5	1.2	w0.7	1.0	1.75	4.15	5.90	7.65
Milverton.....	43	1.2	..	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07	8.10
Mimico.....	33	1.1	1.1	50	2.6	1.0	...	0.9	1.67	2.97	4.99	7.02
Mitchell.....	40	1.1	1.1	50	3.4	1.7	w0.8	1.1	1.67	4.59	6.39	8.19
Moorefield.....	43	1.1	1.1	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Morrisburg.....	40	Ø	1.1	50	3.0	1.5	w0.8	1.1	1.67	4.05	5.85	7.65
Mount Brydges.....	41	Ø	1.1	50	3.4	1.6	w0.8	1.1	2.00	4.41	6.21	8.01
Mount Forest..... N 10%	..	Ø	..	50	2.3	1.2	w0.7	1.0	1.15	3.55	5.30	7.05
Napanee.....	38	□	..	50	2.6	1.3	0.8	1.1	0.83	3.51	5.31	7.11
§Nepean Twp.....	38	Ø	⊙	50	4.5	2.0	w0.7	1.1	2.30	5.62	7.20	8.77
Neustadt..... N 10%	37	Ø	..	50	2.4	1.0	w0.6	1.0	1.20	3.20	4.70	6.20
Newboro.....	38	1.2	..	50	3.8	1.9	...	1.0	2.22	5.13	7.38	9.63
Newburgh.....	40	Ø	1.2	60	4.3	...	...	1.2	1.39	4.37	7.07	9.77
Newbury.....	45	1.5	..	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Newcastle.....	42	1.2	1.1	50	2.8	1.4	...	1.0	1.67	3.78	6.03	8.28
New Hamburg.....	39	..	1.1	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	8.10
†New Liskeard.....	42	Ø	✦	50	4.0	2.0	w0.8	1.1	1.39	5.40	7.20	9.00
Newmarket.....	38	1.2	1.1	50	2.8	1.4	w0.8	1.1	1.40	3.78	5.58	7.38
New Toronto.....	37	Ø	1.1	60	2.6	...	...	1.2	0.83	3.46	6.16	8.86
Niagara.....	42	1.1	1.1	50	3.2	1.5	w0.8	1.1	1.75	4.14	5.94	7.74
Niagara Falls.....	40	*1.1	..	50	3.5	1.4	...	0.7	1.75	4.09	5.67	7.24
Nipigon Twp.....	37	1.2	1.11	50	3.0	1.2	w0.7	1.0	2.00	3.51	5.08	6.66
North Bay.....	42	□	..	60	2.5	...	...	1.2	1.11	3.40	6.10	8.80
North York Twp.....	37	Ø	1.1	50	3.4	1.6	...	1.1	1.67	4.41	6.88	9.36
Norwich..... N 10%	38	Ø	1.0	50	3.5	1.2	w0.7	1.0	1.75	4.15	5.90	7.65
Norwood.....	42	□	..	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
§Oakville.....	40	Ø	..	50	4.0	1.8	w0.7	1.1	2.00	5.04	6.61	8.19
Oil Springs.....	45	□	..	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58	7.38

†Retail service provided by The Hydro-Electric Power Commission of Ontario.  
\*Residential electric heating rate for all monthly consumption over 1250 Kwh.  
For explanatory notes and water-heating schedules see pages 234 and 235.

## MUNICIPAL ELECTRICAL SERVICE

December 31, 1966

are subject to 10% prompt payment discount  
a minimum monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand					Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per Kwh for Use of Each Kw of Demand						First Block Hours' Use 50 100	Second Block Hours' Use 50 100	All Addi- tional Hours				
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours					200 Hours	300 Hours		
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$
1.2	1.5	°4.0	0.8	0.5	4.77	5.22	1.00	..	2.5	..	0.5	0.33	3.60	3.90
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.1	1.5	°3.3	0.8	0.5	4.14	4.59	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.1	1.5	°5.2	0.8	0.5	5.85	6.30	1.00	..	3.2	..	0.5	0.33	4.23	4.53
...	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.3	...	3.0	...	1.0	4.05	4.95	1.35	3.1	..	2.0	..	0.33	3.81	4.10
1.0	1.5	2.2	...	0.8	3.15	3.87	1.20	2.1	..	1.4	..	0.30	2.92	3.19
...	...	2.6	...	0.7	3.42	4.05	1.35	2.8	..	1.8	..	0.33	3.58	3.88
...	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	1.35	°1.6	0.7	0.45	2.80	3.25	1.00	..	0.9	..	0.5	0.30	2.40	2.70
1.3	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	1.5	°3.5	0.8	0.5	4.32	4.77	1.00	..	2.3	..	0.5	0.33	3.42	3.72
1.2	1.35	°2.1	0.7	0.4	3.30	3.70	1.00	..	1.6	..	0.5	0.30	3.10	3.40
...	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.2	1.5	°1.7	0.8	0.5	2.70	3.15	1.00	..	1.2	..	0.5	0.33	2.43	2.73
1.4	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.2	..	0.5	0.33	3.33	3.63
1.1	1.35	°2.0	0.7	0.45	3.20	3.65	1.00	..	1.5	..	0.5	0.30	3.00	3.30
1.1	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.3	..	0.5	0.33	2.52	2.82
1.3	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.35	°1.7	0.7	0.45	2.90	3.35	1.00	..	1.0	..	0.5	0.30	2.50	2.80
...	...	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.2	..	0.5	0.33	3.33	3.63
1.2	...	3.8	...	1.2	4.95	6.03	1.35	2.5	..	1.6	..	0.33	3.36	3.65
...	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.0	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.1	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.2	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.2	1.5	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.4	..	0.5	0.33	2.61	2.91
1.4	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.1	..	0.5	0.33	3.24	3.54
1.1	S	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.1	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.2	1.5	2.0	...	0.9	3.06	3.87	1.20	2.1	..	1.4	..	0.30	2.92	3.19
1.2	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.1	1.35	°2.7	0.7	0.45	3.90	4.35	1.00	..	2.0	..	0.5	0.30	3.50	3.80
1.1	1.5	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.3	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63

RATES AND TYPICAL BILLS FOR  
in Effect

Rates are quoted on a monthly basis and  
(unless otherwise noted) and

	Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE											
		House Heating per Kwh (See Notes)	All-Electric Rate per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for			
					First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh	750 Kwh	
	¢	¢	¢		¢	¢	¢	¢	\$	\$	\$	\$	
Omemeë.....	45	☐	..	50	3.4	1.7	w0.9	1.1	2.22	4.59	6.61	8.64	
Orangeville.....	43	1.1	1.1	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	8.10	
Orillia.....	36	1.33	1.1	60	2.3	...	...	0.9	1.67	2.78	4.81	6.83	
Orono..... N 5%	40	..	☉	50	4.0	1.6	w0.8	1.0	2.00	5.20	7.20	9.20	
Oshawa..... N 10%	34	∅	1.0	50	2.5	1.1	0.8c	1.0	1.50	3.45	5.45	7.45	
†Ottawa.....	32	..	+2.0	..	a) 60 ☆	2.0	...	...	☆0.5	0.83	2.95	4.14	5.33
					60	1.0							
Otterville.....	44	☐	..	50	3.4	1.4	w0.8	1.1	1.50	4.05	5.85	7.65	
Owen Sound.....	37	1.1	1.1	60	2.4	...	...	1.1	1.11	3.18	5.65	8.13	
Paisley.....	43	1.1	..	60	3.5	...	...	1.0	1.39	3.60	5.85	8.10	
Palmerston.....	43	∅	1.1	50	3.0	1.5	w0.8	1.1	2.22	4.05	5.85	7.65	
Paris.....	42	1.2	..	60	2.8	...	...	1.3	0.83	3.73	6.66	9.58	
Parkhill.....	44	1.2	..	50	3.2	1.6	0.9	1.3	1.11	4.32	6.34	8.37	
Parry Sound.....	42	∅	1.1	50	3.4	1.7	...	1.1	1.67	4.59	7.06	9.54	
Penetanguishene.....	37	∅	..	50	2.2	1.1	0.7	1.1	1.11	2.97	4.54	6.12	
Perth.....	37	1.1	..	50	2.8	1.4	...	1.0	1.67	3.78	6.03	8.28	
Peterborough.....	36	☐	1.1	50	4.7	...	...	1.1	2.35	4.09	6.57	9.04	
Petrolia.....	45	☐	..	50	3.2	1.6	1.0	1.1	0.83	4.32	6.57	8.82	
Pickering.....	37	☐	☉	50	3.8	1.9	w0.8	1.1	1.90	5.13	6.93	8.73	
†Pickle Lake Landing...	45	∅	★	50	4.4	2.2	w0.9	1.2	2.22	5.94	7.96	9.99	
Picton.....	41	☐	..	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11	
Plantagenet.....	43	☐	..	50	4.8	2.4	w0.8	1.1	2.40	6.48	8.28	10.08	
Plattsville.....	42	∅	1.1	50	3.4	1.7	w0.8	1.1	1.70	4.59	6.39	8.19	
Point Edward.....	38	∅	1.1	50	3.0	1.5	0.9	1.1	1.67	4.05	6.07	8.10	
Port Arthur.....	38	1.2	▼	50	4.0	1.2	w0.6	0.9	2.00	3.96	5.31	6.66	
Port Burwell.....	45	∅	1.2	50	4.4	2.2	w0.8	1.2	2.78	5.94	7.74	9.54	
†Port Carling.....	41	1.22	..	50	4.4	2.2	w0.8	1.2	3.33	5.94	7.74	9.54	
Port Colborne.....	41	☐	1.1	60	2.8	1.2	w0.8	1.2	0.83	3.56	5.40	7.20	
Port Credit.....	38	1.2	..	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38	
Port Dover.....	49	∅	..	50	2.8	1.4	w0.8	1.1	2.22	3.78	5.58	7.38	
Port Elgin.....	44	☐	1.2	50	3.2	1.6	0.9	1.3	2.00	4.32	6.34	8.37	
Port Hope.....	40	☐	1.1	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	8.10	
Port McNicoll..... N 10%	39	∅	..	50	2.3	1.0	w0.6	1.0	1.65	3.15	4.65	6.15	
Port Perry.....	45	∅	..	50	3.4	1.4	w0.7	1.1	1.70	4.05	5.62	7.20	
Port Rowan.....	50	1.2	..	50	3.0	1.4	w0.8	1.1	2.22	3.87	5.67	7.47	
Port Stanley.....	45	∅	..	50	3.2	1.6	1.0	1.1	2.22	4.32	6.57	8.82	
†Powassan.....	42	1.22	..	50	3.6	1.8	w0.8	1.1	1.67	4.86	6.66	8.46	
Prescott.....	37	1.1	1.1	50	2.4	1.2	w0.6	1.0	1.67	3.24	4.59	5.94	
Preston.....	36	☐	1.1	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07	8.10	
Priceville.....	47	☐	..	50	4.0	2.0	...	1.2	2.00	5.40	8.10	10.80	
Princeton.....	45	1.1	1.1	60	3.0	...	...	1.0	1.39	3.33	5.58	7.83	

†Retail service provided by The Hydro-Electric Power Commission of Ontario.  
‡Prompt-payment discount 5% (Inc. Eastview & Rockliffe Park).  
+ Residential Electric Heating 2.0¢ gross per kwh for all monthly consumption over 1500 kwh, where total load is on one meter, applicable to customers so designated by the utility.  
For explanatory notes and water-heating schedules see pages 234 and 235.



MUNICIPAL ELECTRICAL SERVICE

December 31, 1966

are subject to 10% prompt payment discount  
a minimum monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand					Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per Kwh for Use of Each Kw of Demand												
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours		Hours' Use 50 100	First Block Hours' Use 50 100	Second Block Hours' Use 50 100	All Addi- tional Hours	200 Hours	300 Hours	
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$
...	1.5	°3.2	0.8	0.5	4.05	4.50	1.00	..	2.8	..	0.5	0.33	3.87	4.17
...	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.4	..	0.5	0.33	2.61	2.91
...	1.5	1.8	...	0.8	2.79	3.51	1.00	1.4	..	0.9	..	0.30	2.20	2.47
1.2	1.35	°2.6	0.7	0.45	3.80	4.25	1.00	..	2.1	..	0.5	0.30	3.60	3.90
1.1	1.35	°1.6	0.7	0.45	2.80	3.25	1.00	..	1.3	..	0.5	0.30	2.80	3.10
...	...	2.0	0.8	0.5	3.14	3.61	1.00	..	1.4	..	0.5	0.33	2.76	3.07
...	...	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.5	..	0.5	0.33	3.60	3.90
...	...	°2.0	0.8	0.5	2.97	3.42	1.00	1.5	..	1.1	..	0.30	2.34	2.61
...	1.5	3.0	...	1.0	4.05	4.95	1.35	2.6	..	1.7	..	0.33	3.45	3.74
1.2	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	1.5	2.3	...	0.8	3.24	3.96	1.00	1.5	..	1.1	..	0.30	2.34	2.61
1.3	...	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.2	..	0.5	0.33	3.33	3.63
1.5	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	...	°1.6	0.8	0.5	2.61	3.06	1.00	..	1.0	..	0.5	0.33	2.25	2.55
...	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.3	..	0.5	0.33	2.52	2.82
1.1	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	1.5	3.2	0.8	0.5	4.05	4.50	1.00	..	2.7	..	0.5	0.33	3.78	4.08
...	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.2	1.5	°3.8	0.8	0.5	4.59	5.04	1.00	..	3.3	..	0.5	0.33	4.32	4.62
...	1.5	2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.2	1.5	°3.5	0.8	0.5	4.32	4.77	1.00	..	3.0	..	0.5	0.33	4.05	4.35
1.1	1.5	°3.2	0.8	0.5	4.05	4.50	1.00	..	2.5	..	0.5	0.33	3.60	3.90
1.3	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.3	..	0.5	0.33	2.52	2.82
...	1.5	°3.4	0.8	0.5	4.23	4.68	1.00	..	2.5	..	0.5	0.33	3.60	3.90
1.6	1.5	4.2	0.8	0.5	4.95	5.40	1.00	..	2.7	..	0.5	0.33	3.78	4.08
1.2	1.5	2.5	...	1.1	3.69	4.68	1.20	1.9	..	1.3	..	0.30	2.79	3.06
1.4	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.1	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.2	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	1.35	°1.9	0.7	0.45	3.10	3.55	1.00	..	1.4	..	0.5	0.30	2.90	3.20
1.1	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.1	1.5	°3.4	0.8	0.5	4.23	4.68	1.00	..	2.7	..	0.5	0.33	3.78	4.08
1.1	1.5	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.2	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	...	3.8	0.8	0.5	4.59	5.04	1.00	..	2.9	..	0.5	0.33	3.96	4.26
...	1.5	2.7	...	0.8	3.60	4.32	1.20	2.1	..	1.4	..	0.30	2.92	3.19

RATES AND TYPICAL BILLS FOR  
in Effect

Rates are quoted on a monthly basis and  
(unless otherwise noted) and

	Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE										
		House Heating per Kwh (See Notes)	All-Electric Rate per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
					First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh	750 Kwh
	¢	¢	¢		¢	¢	¢	¢	\$	\$	\$	\$
Queenston.....	40	1.1	..	50	2.6	1.3	...	0.8	0.83	3.51	5.31	7.11
Rainy River.....	48	Ø	♦	50	5.0	2.1	w0.7	1.1	2.50	6.03	7.60	9.18
†Red Lake Twp.....	45	Ø	♦	50	4.4	2.2	w0.9	1.2	2.22	5.94	7.96	9.99
Red Rock.....N 10%	32	1.1	1.0	50	3.0	1.0	w0.5	0.9	1.50	3.50	4.75	6.00
Renfrew.....	36	1.1	..	50	2.6	1.3	0.7	1.0	1.11	3.51	5.08	6.66
Richmond.....	35	1.2	1.1	50	3.0	1.3	w0.7	1.1	1.50	3.69	5.26	6.84
Richmond Hill..N 10%	37	Ø	1.0	50	3.4	1.2	w0.7	1.0	1.70	4.10	5.85	7.60
Ridgetown.....N 5%	40	Ø	1.0	50	3.0	1.4	w0.7	1.0	1.50	4.30	6.05	7.80
Ripley.....	43	□	..	50	2.8	1.4	0.8	1.1	1.39	3.78	5.58	7.38
Rockland.....	40	Ø	1.1	50	3.0	1.5	w0.8	1.1	1.67	4.05	5.85	7.65
Rockwood.....	45	Ø	1.1	50	4.0	1.4	w0.7	1.1	2.00	4.32	5.89	7.47
Rodney.....	45	..	1.1	50	3.2	1.6	w0.8	1.2	1.60	4.32	6.12	7.92
Rosseau.....	43	□	..	50	5.0	1.2	...	1.1	2.50	4.41	6.88	9.36
Russell.....	38	□	..	50	2.6	1.3	w0.8	1.1	1.33	3.51	5.31	7.11
St. Catharines.....	42	Ø	1.1	50	3.5	1.3	w0.7	1.1	1.75	3.91	5.49	7.06
St. Clair Beach.....	42	□	1.1	50	3.6	1.8	w0.8	1.1	1.67	4.86	6.66	8.46
St. George.....	44	1.1	..	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81	6.39
St. Jacobs.....	42	Ø	1.1	60	3.0	...	...	1.1	0.83	3.50	5.98	8.45
St. Mary's.....	43 *39	1.1	..	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07	8.10
St. Thomas.....	40	□	1.1	50	3.2	1.6	...	1.1	1.11	4.32	6.79	9.27
Sandwich West Twp... {	41	1.1	1.1	50	4.0	1.9	...	1.0	1.67	5.22	7.47	9.72
Sarnia.....N 5%	38	□	..	50	3.4	1.2	w0.6	0.95	1.70	4.10	5.60	7.10
Small Commercial				50	3.6	1.5	w0.6	1.0	1.70	4.80	6.30	7.80
Scarborough Twp.....	37	1.2	1.1	50	3.0	1.5	...	1.0	2.22	4.05	6.30	8.55
Schreiber Twp.....	37	1.2	1.11	50	3.0	1.1	w0.7	1.0	2.00	3.33	4.90	6.48
Seaforth.....	36	□	1.1	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85	7.65
Shelburne.....	43	□	..	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Simcoe.....	41	1.1	1.1	50	2.2	1.1	0.7	1.0	1.11	2.97	4.54	6.12
Sioux Lookout.....	49	□	..	50	4.0	1.5	w0.9	1.2	2.00	4.50	6.52	8.55
Smith's Falls.....	40	..	1.1	50	3.0	1.5	w0.8	1.1	1.50	4.05	5.85	7.65
Smithville.....	44	□	..	60	3.2	...	...	1.2	0.83	3.78	6.48	9.18
Southampton.....	45	□	..	50	3.2	...	...	1.1	1.11	3.42	5.89	8.37
†South Porcupine.....	42	1.22	..	50	3.4	1.7	w0.8	1.1	1.39	4.59	6.39	8.19
South River.....	45	Ø	♦	50	5.0	2.5	w0.8	1.1	2.22	6.75	8.55	10.35
Springfield.....	41	Ø	..	50	3.0	1.3	w0.7	1.1	2.22	3.69	5.26	6.84
Stayner.....N 10%	41	Ø	..	50	2.4	1.2	w0.7	1.0	1.20	3.60	5.35	7.10
Stirling.....	38	□	..	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Stoney Creek.....	45	Ø	1.1	50	3.6	1.6	w0.8	1.1	2.00	4.50	6.30	8.10
Stouffville.....	39	1.1	1.1	50	3.4	1.6	w0.7	1.1	1.70	4.41	5.98	7.56
Stratford.....N 5%	40	□	1.0	50	4.0	1.3	...	1.0	1.75	4.60	7.10	9.60
Strathroy.....	37	□	..	50	3.8	1.4	0.8	1.1	2.00	4.23	6.03	7.83

†Retail service provided by The Hydro-Electric Power Commission of Ontario.  
\*Applicable to flat-rate water-heaters of 700 watts and above.  
For explanatory notes and water-heating schedules see pages 234 and 235.

## MUNICIPAL ELECTRICAL SERVICE

December 31, 1966

are subject to 10% prompt payment discount  
a minimum monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE							
Commercial Cooking per Kw	Space Heating per Kw (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kw for Use of Each Kw of Demand					Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per Kw for Use of Each Kw of Demand												
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours		Hours' Use 50 100	First Block	Second Block	All Addi- tional Hours	200 Hours	300 Hours	
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$
...	...	2.4	0.8	0.5	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.3	1.5	3.0	0.8	0.5	3.87	4.32	1.00	..	2.5	..	0.5	0.33	3.60	3.90
1.2	1.5	3.8	0.8	0.5	4.59	5.04	1.00	..	3.3	..	0.5	0.33	4.32	4.62
1.1	1.35	1.2	0.7	0.45	2.40	2.85	1.00	..	0.7	..	0.5	0.30	2.20	2.50
...	...	1.8	0.8	0.5	2.79	3.24	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	...	2.3	0.8	0.5	3.24	3.69	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.2	1.35	2.0	0.7	0.45	3.20	3.65	1.00	..	1.4	..	0.5	0.30	2.90	3.20
...	1.35	2.1	...	0.8	3.40	4.20	1.00	..	1.9	..	0.5	0.30	3.40	3.70
...	...	2.5	0.8	0.5	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	2.5	0.8	0.5	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.2	1.5	2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	3.0	0.8	0.5	3.87	4.32	1.00	..	2.5	..	0.5	0.33	3.60	3.90
...	1.5	2.9	0.8	0.5	3.78	4.23	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	1.5	2.0	0.8	0.5	2.97	3.42	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	1.5	2.3	0.8	0.5	3.24	3.69	1.20	1.9	..	1.3	..	0.30	2.79	3.06
...	1.5	3.0	0.8	0.5	3.87	4.32	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	1.5	2.2	0.8	0.5	3.15	3.60	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	...	2.5	...	1.0	3.60	4.50	1.20	1.7	..	1.2	..	0.30	2.65	2.92
...	...	2.5	0.8	0.5	3.42	3.87	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	1.5	2.3	0.8	0.5	3.24	3.69	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.0	1.5	2.9	0.8	0.5	3.78	4.23	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	...	2.5	0.7	0.45	3.70	4.15	x1.00	..	1.5	..	0.5	0.30	3.00	3.30
1.2	1.5	2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	1.5	2.2	0.8	0.5	3.15	3.60	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	1.5	2.3	0.8	0.5	3.24	3.69	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.1	...	2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.0	1.5	1.9	0.8	0.5	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.61	2.91
1.2	1.5	3.5	0.8	0.5	4.32	4.77	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.1	1.5	2.0	0.8	0.5	2.97	3.42	1.00	..	1.4	..	0.5	0.33	2.61	2.91
...	1.5	2.8	...	1.1	3.96	4.95	1.35	2.5	..	1.6	..	0.33	3.36	3.65
...	1.5	2.9	...	1.1	4.05	5.04	1.35	2.2	..	1.4	..	0.33	3.13	3.43
1.1	1.5	3.3	0.8	0.5	4.14	4.59	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.2	1.5	4.5	0.8	0.5	5.22	5.67	1.00	..	3.5	..	0.5	0.33	4.50	4.80
1.5	1.5	2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.0	1.35	1.8	0.7	0.45	3.00	3.45	1.00	..	1.3	..	0.5	0.30	2.80	3.10
...	1.5	2.2	0.8	0.5	3.15	3.60	1.00	..	1.3	..	0.5	0.33	2.52	2.82
1.2	1.5	2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.3	1.5	2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
General Rate (See Notes)							General Rate (See Notes)							
1.1	1.5	2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45

x Applicable For Loads Under 500 KW;  
For Loads of 500-5,000 KW  
And Loads over 5,000 KW

**Demand Charge** **Energy Charge**  
\$1.70/Kw/Mo. 0.4¢/Kwh  
\$2.05/Kw/Mo. 0.3¢Kwh

RATES AND TYPICAL BILLS FOR  
in Effect

Rates are quoted on a monthly basis and  
(unless otherwise noted) and

	Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE										
		House Heating per Kwh (See Notes)	All-Electric Rate per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
					First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh	750 Kwh
	¢	¢	¢		¢	¢	¢	¢	\$	\$	\$	\$
Streetsville.....	43	1.2	1.1	50	4.0	1.3	w0.7	1.1	2.00	4.14	5.71	7.29
Sturgeon Falls.....	40	□	1.2	50	3.2	1.6	...	1.2	2.22	4.32	7.02	9.72
Sudbury.....N 10%	32	1.1	1.0	50	3.0	1.2	w0.7	1.0	1.50	3.90	5.65	7.40
Sunderland.....	40	□	..	50	2.6	1.3	0.7	1.1	1.11	3.51	5.08	6.66
Sundridge.....	43	Ø	..	50	2.8	1.4	w0.8	1.1	2.22	3.78	5.58	7.38
Sutton.....	45	Ø	..	50	4.0	1.7	w0.7	1.1	2.00	4.86	6.43	8.01
Swansea.....	37	1.2	1.1	50	2.8	1.4	...	1.0	1.67	3.78	6.03	8.28
Tara.....	41	Ø	..	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Tavistock.....	*33	1.1	..	50	3.2	1.4	w0.6	1.2	1.67	3.96	5.31	6.66
Tecumseh.....	41	□	1.1	50	3.6	1.8	w0.8	1.1	1.67	4.86	6.66	8.46
Teeswater.....	42	□	..	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Terrace Bay Twp.....	36	1.3	1.11	50	2.6	1.3	...	0.9	1.67	3.51	5.53	7.56
Thamesford.....	45	Ø	1.1	50	3.7	1.5	w0.8	1.1	2.00	4.36	6.16	7.96
Thamesville.....	45	□	..	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58	7.38
Thedford.....	45	□	..	50	3.0	1.5	w0.8	1.1	1.67	4.05	5.85	7.65
Thessalon.....	48	□	1.2	50	4.0	2.0	w0.8	1.2	2.22	5.40	7.20	9.00
Thornbury.....N 10%	42	Ø	1.0	50	3.0	1.3	w0.8	1.0	1.50	4.10	6.10	8.10
Thorndale.....	42	1.2	..	50	3.2	1.6	1.0	1.4	1.11	4.32	6.57	8.82
†Thornloe.....	42	1.39	..	50	4.0	2.0	w0.8	1.1	1.39	5.40	7.20	9.00
Thornton.....	39	1.1	..	60	3.8	...	...	1.0	1.39	3.76	6.01	8.26
Thorold.....	40	Ø	..	50	4.0	2.1	w0.8	1.2	2.22	5.58	7.38	9.18
Tilbury.....	45	1.2	1.1	50	3.0	1.5	0.9	1.2	0.83	4.05	6.07	8.10
Tillsonburg.....	40	□	1.1	50	3.0	1.5	0.8	1.1	1.67	4.05	5.85	7.65
†Timmins.....	42	Ø	1.1	50	3.4	1.7	w0.8	1.1	1.39	4.59	6.39	8.19
† Schumacher.....	42	1.22	..	50	3.4	1.7	w0.8	1.1	1.39	4.59	6.39	8.19
Toronto.....	★	..	1.1	60	2.0	...	...	1.4	0.83	3.47	6.62	9.77
Toronto Twp...N 10%	37	Ø	..	50	4.0	1.4	w0.7	1.0	2.00	4.80	6.55	8.30
Tottenham.....	43	Ø	..	50	2.6	1.3	0.8	1.1	1.39	3.51	5.31	7.11
Trenton.....	34	1.1	1.1	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81	6.39
Tweed.....	37	1.1	..	50	2.4	1.2	w0.7	1.0	1.50	3.24	4.81	6.39
Uxbridge.....	39	1.1	..	50	2.6	1.3	0.7	1.0	1.11	3.51	5.08	6.66
Vankleek Hill...N 10%	37	Ø	1.0	50	2.2	1.1	w0.6	1.0	1.50	3.30	4.80	6.30
Victoria Harbr...N 10%	43	Ø	..	50	3.3	1.0	w0.7	1.0	1.65	3.65	5.40	7.15
Walkerton.....	38	..	..	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Wallaceburg.....	41	N10	..	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81	6.39
Wardsville.....	45	1.1	..	60	3.6	...	...	0.9	1.11	3.48	5.51	7.53
Warkworth.....	41	..	1.1	50	3.4	1.7	w0.8	1.1	1.70	4.59	6.39	8.19
Wasaga Beach.....	42	□	..	50	3.6	1.8	...	1.1	1.67	4.86	7.33	9.81
Waterdown.....	40	□	1.1	50	4.0	1.3	w0.8	1.1	2.00	4.14	5.94	7.74
Waterford.....	45	Ø	1.1	50	3.4	1.6	w0.8	1.1	2.22	4.41	6.21	8.01
Waterloo.....N 5%	35	Ø	1.0	50	3.6	1.3	...	1.0	2.50	4.40	6.90	9.40

†Retail service provided by The Hydro-Electric Power Commission of Ontario.  
\*Applicable to flat rate water heaters of 750 watts and above; for flat rate water heaters of 700 watts or below, apply Schedule 39.  
For explanatory notes and water-heating schedules see pages 234 and 235.



## MUNICIPAL ELECTRICAL SERVICE

December 31, 1966

are subject to 10% prompt payment discount  
a minimum monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand					Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per Kwh for Use of Each Kw of Demand						First Block Hours' Use 50 100	Second Block Hours' Use 50 100	All Addi- tional Hours				
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours					200 Hours	300 Hours		
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$
1.2	1.5	2.6	0.8	0.5	3.51	3.96	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.2	1.5	2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	1.35	2.2	0.7	0.45	3.40	3.85	1.00	..	1.5	..	0.5	0.30	3.00	3.30
1.5	1.5	2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.4	1.5	2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.1	1.5	2.6	0.8	0.5	3.51	3.96	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	2.4	0.8	0.5	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	1.5	2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.5	1.5	2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.2	1.5	2.9	0.8	0.5	3.78	4.23	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	1.5	2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.4	1.5	2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	1.5	2.3	0.8	0.5	3.24	3.69	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.1	1.5	3.0	0.8	0.5	3.87	4.32	1.00	..	2.3	..	0.5	0.33	3.42	3.72
1.2	1.5	3.8	0.8	0.5	4.59	5.04	1.00	..	3.2	..	0.5	0.33	4.23	4.53
...	1.35	2.2	0.7	0.45	3.40	3.85	1.00	..	1.4	..	0.5	0.30	2.90	3.20
...	...	2.7	0.8	0.5	3.60	4.05	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.1	1.5	3.6	0.8	0.5	4.41	4.86	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	...	3.3	...	1.0	4.32	5.22	1.35	2.8	..	1.8	..	0.33	3.58	3.88
1.3	1.5	3.3	0.8	0.5	4.14	4.59	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	2.6	0.8	0.5	3.51	3.96	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	1.5	2.5	0.8	0.5	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	1.5	3.3	0.8	0.5	4.14	4.59	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.1	1.5	3.3	0.8	0.5	4.14	4.59	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.2	1.5	(b)2.1	...	0.7	3.28	3.91	1.10	2.1	..	1.4	..	0.38	2.91	3.25
1.4	1.5	2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.5	1.5	2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54
1.0	1.5	1.9	0.8	0.5	2.88	3.33	1.00	..	1.3	..	0.5	0.33	2.52	2.82
1.0	1.5	1.9	0.8	0.5	2.88	3.33	1.00	..	1.3	..	0.5	0.33	2.52	2.82
1.0	1.5	2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.2	1.35	1.5	0.7	0.45	2.70	3.15	1.00	..	1.0	..	0.5	0.30	2.50	2.80
...	1.35	2.8	0.7	0.45	4.00	4.45	1.00	..	2.0	..	0.5	0.30	3.50	3.80
...	1.5	2.3	0.8	0.5	3.24	3.69	1.00	..	1.4	..	0.5	0.33	2.61	2.91
1.1	1.5	1.9	0.8	0.5	2.88	3.33	1.00	..	1.3	..	0.5	0.33	2.52	2.82
...	...	3.2	...	0.8	4.05	4.77	1.35	2.8	..	1.8	..	0.33	3.58	3.88
1.1	...	2.4	0.8	0.5	3.33	3.78	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	...	3.0	0.8	0.5	3.87	4.32	1.00	..	2.5	..	0.5	0.33	3.60	3.90
1.1	1.5	2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	1.5	2.9	0.8	0.5	3.78	4.23	1.00	..	2.2	..	0.5	0.33	3.33	3.63
1.2	1.35	2.3	0.7	0.45	3.50	3.95	1.00	..	1.8	..	0.5	0.30	3.30	3.60

# RATES AND TYPICAL BILLS FOR in Effect

*Rates are quoted on a monthly basis and  
(unless otherwise noted) and*

		Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE										
			House Heating per Kwh (See Notes)	All-Electric Rate per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh	750 Kwh
	¢	¢	¢		¢	¢	¢	¢	\$	\$	\$	\$	
Watford.....	45	□	..	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38	
Waubashene... N 10%	42	Ø	..	50	3.3	1.0	w0.7	1.0	1.65	3.65	5.40	7.15	
Webbwood.....	43	..	1.2	50	5.2	2.6	w0.8	1.2	2.50	7.02	8.82	10.62	
Welland.....	41	1.1	1.1	50	3.2	1.6	w0.8	0.9	1.67	4.32	6.12	7.92	
Wellesley.....	42	□	1.1	50	4.0	1.4	w0.8	1.1	2.00	4.32	6.12	7.92	
Wellington.....	46	..	1.1	50	3.0	1.5	w0.9	1.1	1.50	4.05	6.07	8.10	
West Ferris Twp.....	37	□	1.1	50	3.6	1.8	...	1.2	2.22	4.86	7.56	10.26	
West Lorne.....	43	..	1.1	50	3.0	1.5	w0.8	1.1	1.11	4.05	5.85	7.65	
Weston.....	37	Ø	1.1	50	3.0	1.5	0.8	1.2	1.67	4.05	5.85	7.65	
Westport.....	38	1.2	1.1	50	2.7	1.3	w0.7	1.0	1.50	3.55	5.13	6.70	
Wheatley.....	45	..	1.2	60	3.3	...	...	1.2	1.11	3.83	6.53	9.23	
Whitby.....	36	1.2	1.1	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85	7.65	
†White River.....	60	Ø	..	50	7.5	3.6	w1.0	1.33	3.75	9.85	12.10	14.35	
Warton.....	43	Ø	..	50	2.8	1.4	w0.7	1.1	1.11	3.78	5.35	6.93	
Widdifield Twp. N 10%	42	Ø	1.0	50	4.0	1.7	w0.7	1.0	2.00	5.40	7.15	8.90	
Williamsburg.....	45	□	..	50	2.6	1.3	w0.8	1.1	1.30	3.51	5.31	7.11	
Winchester.....	41	Ø	..	50	2.6	1.3	w0.8	1.1	1.39	3.51	5.31	7.11	
Windermere.....	45	□	..	50	3.2	1.6	1.0	1.4	1.67	4.32	6.57	8.82	
Windsor..... N 5%	+ 38	□	..	50	3.5	1.3	x0.7	1.0	1.75	4.35	6.10	7.85	
Wingham.....	43	□	..	50	2.4	1.2	0.7	1.1	1.11	3.24	4.81	6.39	
Woodbridge.....	42	1.2	..	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58	7.38	
Woodstock..... N 10%	*	Ø	1.0	50	3.5	1.3	w0.7	1.0	1.75	4.35	6.10	7.85	
Woodville.....	42	Ø	..	50	3.6	1.2	w0.7	1.1	1.67	3.78	5.35	6.93	
Wyoming.....	45	Ø	..	50	2.6	1.3	0.7	1.1	0.83	3.51	5.08	6.66	
York Twp.....	37	1.2	1.1	50	2.6	1.3	0.8	1.1	1.67	3.51	5.31	7.11	
Zurich.....	45	□	1.2	60	3.7	...	...	1.2	0.83	4.05	6.75	9.45	

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

\*Schedule No. 33 applicable to flat-rate water-heaters 1000W and above—for flat-rate water-heaters below 1000W apply Schedule No. 36.

xDenotes the next 1000 kwh.

+ Applicable to General Rate Customers Only.

For explanatory notes and water-heating schedules, see pages 234 and 235.

## MUNICIPAL ELECTRICAL SERVICE

December 31, 1966

are subject to 10% prompt payment discount  
a minimum monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE							
Commercial Cooking per Kw/h	Space Heating per Kw/h (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kw/h for Use of Each Kw of Demand					Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per Kw/h for Use of Each Kw of Demand												
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours		First Block  Hours' Use		Second Block  Hours' Use		All Addi- tional Hours	200 Hours	300 Hours
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$
1.1	...	¢2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.35	¢2.7	0.7	0.45	3.90	4.35	1.00	..	2.2	..	0.5	0.30	3.70	4.00
...	1.5	¢4.5	0.8	0.5	5.22	5.67	1.00	..	2.5	..	0.5	0.33	3.60	3.90
1.0	1.5	¢2.7	0.8	0.5	3.60	4.05	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.5	1.5	¢2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	1.5	¢3.0	0.8	0.5	3.87	4.32	1.00	..	2.7	..	0.5	0.33	3.78	4.08
1.2	1.5	¢3.0	0.8	0.5	3.87	4.32	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	¢2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54
1.2	1.5	¢2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	...	¢2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	1.5	2.9	...	1.2	4.14	5.22	1.35	2.5	..	1.6	..	0.33	3.36	3.65
1.2	1.5	¢2.3	0.8	0.5	3.24	3.69	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.6	1.5	¢5.8	0.8	0.5	6.39	6.84	1.00	..	5.1	..	0.5	0.33	5.94	6.24
...	1.5	¢2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.2	1.35	¢2.6	0.7	0.45	3.80	4.25	1.00	..	2.1	..	0.5	0.30	3.60	3.90
...	1.5	¢2.4	0.8	0.5	3.33	3.78	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	1.5	¢2.0	0.8	0.5	2.97	3.42	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	1.5	¢2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
1.0	1.35	General Rate (See Notes)					General Rate (See Notes)							
...	1.5	¢2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.1	1.5	¢2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	1.35	¢2.1	0.7	0.45	3.30	3.75	1.00	..	1.3	..	0.5	0.30	2.80	3.10
1.2	1.5	¢2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	¢2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.1	1.5	¢2.0	0.8	0.5	2.97	3.42	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	1.5	3.4	...	0.9	4.32	5.13	1.35	3.1	...	2.0	..	0.33	3.81	4.10

## GENERAL RATES

(Total Charge Increased by 5% When Not Paid by Date Indicated on Bill)

Demand Charge per Kw per Month		Charges per Kwh for Successive Blocks of Kilowatt-Hours				All Additional	Minimum Bill
<b>Stratford</b>							
0- 50 kw	Nil	50 @ 4.0¢	200 @ 1.5¢	9750 @ 1.35¢	1,115,000 @ 0.5¢	0.3¢	\$1.75
Up to-5000 kw	\$1.60						
Over 5000 kw	\$2.05					0.3¢	
<b>Windsor</b>							
0- 50 kw	Nil	50 @ 3.5¢	200 @ 1.5¢	1000 @ 0.9¢	8750 @ 1.3¢	0.5¢	\$1.75
Up to- 500 kw	\$1.60						
Up to-5000 kw	\$1.85					0.4¢	
Over 5000 kw	\$2.10					0.3¢	

NOTE: Rates are based upon service at utilization voltage; where the customer provides transformation facilities, the authorized allowance will apply.

Municipal Electrical  
NET MONTHLY BILLS FOR FLAT RATE WATER

Also applicable to utilities using gross rate schedules providing

Element rating	SCHEDULE																
	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
watts	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
400	.90	.94	.97	1.01	1.04	1.08	1.12	1.15	1.19	1.22	1.26	1.30	1.33	1.37	1.40	1.44	1.48
450	1.01	1.05	1.09	1.13	1.17	1.22	1.26	1.30	1.34	1.38	1.42	1.46	1.50	1.54	1.58	1.62	1.66
500	1.13	1.17	1.22	1.26	1.31	1.35	1.40	1.44	1.49	1.53	1.58	1.62	1.67	1.71	1.76	1.80	1.85
550	1.24	1.29	1.34	1.39	1.44	1.49	1.53	1.58	1.63	1.68	1.73	1.78	1.83	1.88	1.93	1.98	2.03
600	1.35	1.40	1.46	1.51	1.57	1.62	1.67	1.73	1.78	1.84	1.89	1.94	2.00	2.05	2.11	2.16	2.21
650	1.43	1.49	1.54	1.60	1.66	1.72	1.77	1.83	1.89	1.94	2.00	2.06	2.12	2.17	2.23	2.29	2.35
700	1.51	1.57	1.63	1.69	1.75	1.81	1.87	1.93	1.99	2.05	2.11	2.17	2.23	2.29	2.35	2.41	2.47
750	1.60	1.66	1.72	1.79	1.85	1.91	1.98	2.04	2.11	2.17	2.23	2.30	2.36	2.42	2.49	2.55	2.62
800	1.67	1.74	1.80	1.87	1.94	2.00	2.07	2.14	2.20	2.27	2.34	2.40	2.47	2.54	2.61	2.67	2.74
850	1.75	1.82	1.89	1.96	2.03	2.10	2.17	2.24	2.31	2.38	2.45	2.52	2.59	2.66	2.73	2.80	2.87
900	1.84	1.91	1.98	2.06	2.13	2.20	2.28	2.35	2.42	2.50	2.57	2.64	2.72	2.79	2.86	2.94	3.01
950	1.92	2.00	2.07	2.15	2.23	2.30	2.38	2.46	2.53	2.61	2.69	2.76	2.84	2.92	3.00	3.07	3.15
1,000	2.00	2.08	2.16	2.24	2.32	2.40	2.48	2.56	2.64	2.72	2.80	2.88	2.96	3.04	3.12	3.20	3.28
1,000/3,000	2.12	2.21	2.30	2.38	2.47	2.55	2.64	2.72	2.81	2.89	2.98	3.06	3.14	3.23	3.31	3.40	3.48
1,500/4,500	3.19	3.31	3.44	3.57	3.70	3.83	3.95	4.08	4.20	4.34	4.46	4.59	4.72	4.84	4.97	5.10	5.23

NOTE: Net monthly rates for all balanced element sizes over 1,000 watts are calculated as follows:  
Rate for 1,000-watt element X  $\frac{\text{Element Rating}}{1,000}$

NOTES

Service Charges

- a 33¢ per month per service when the permanently installed appliance load is under 2,000 watts and 66¢ per month when 2,000 watts or more.
- (b) Demand rate 8.5¢ per 100 watts, minimum 50¢.

House Heating

- Applicable where electric energy is used to heat an entire dwelling or a portion of a dwelling in excess of 25% of the floor area.
- ☐ Energy supplied through residential service meter at standard rates.
  - ☒ Energy metered separately at end residential rate or energy supplied through residential service meter at standard rates.

All-Electric Service

- Applicable to all energy sold to residential customers using all-electric house heating and electric water heating supplied through the residential service meter.
- ★ First 50 kwh at first residential rate, balance at end rate.
  - ▲ First 50 kwh @ 3.4¢ per kwh, balance at end rate.
  - First 50 kwh @ 3.0¢ per kwh, balance at end rate.
  - ▼ First 1,750 kwh at regular residential rate, balance at 1.1¢ per kwh.
  - ◎ First 50 kwh @ 2.0¢ per kwh, balance at end rate.
  - ◆ First 50 kwh @ 4.0¢ per kwh, balance at end rate.



Service

HEATING AT SCHEDULE NUMBER INDICATED

payment is made on or before last date for net payment

NUMBER																		
42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1.51	1.55	1.58	1.62	1.66	1.69	1.73	1.76	1.80	1.84	1.87	1.91	1.94	1.98	2.02	2.05	2.09	2.12	2.16
1.70	1.74	1.78	1.82	1.86	1.90	1.94	1.98	2.03	2.06	2.11	2.14	2.18	2.22	2.27	2.30	2.34	2.39	2.45
1.89	1.94	1.98	2.03	2.07	2.12	2.16	2.21	2.25	2.30	2.34	2.39	2.43	2.48	2.52	2.57	2.61	2.66	2.70
2.08	2.13	2.18	2.23	2.28	2.33	2.38	2.43	2.48	2.53	2.57	2.63	2.68	2.73	2.77	2.83	2.88	2.93	2.99
2.27	2.32	2.38	2.43	2.48	2.54	2.59	2.65	2.70	2.75	2.81	2.86	2.92	2.97	3.02	3.08	3.13	3.19	3.24
2.40	2.46	2.52	2.57	2.63	2.69	2.75	2.80	2.86	2.93	2.99	3.03	3.08	3.14	3.20	3.26	3.31	3.38	3.44
2.53	2.59	2.65	2.71	2.77	2.83	2.89	2.95	3.01	3.08	3.13	3.20	3.26	3.32	3.38	3.44	3.49	3.56	3.62
2.68	2.74	2.81	2.87	2.93	3.00	3.06	3.13	3.19	3.26	3.31	3.38	3.44	3.51	3.58	3.65	3.71	3.76	3.82
2.81	2.87	2.94	3.01	3.07	3.14	3.21	3.27	3.34	3.41	3.47	3.54	3.60	3.67	3.74	3.82	3.89	3.94	4.00
2.94	3.01	3.08	3.15	3.22	3.29	3.36	3.43	3.51	3.56	3.64	3.71	3.78	3.85	3.92	4.00	4.07	4.13	4.19
3.08	3.16	3.23	3.30	3.38	3.45	3.52	3.60	3.67	3.74	3.82	3.89	3.96	4.04	4.12	4.19	4.27	4.33	4.39
3.23	3.30	3.38	3.46	3.53	3.61	3.69	3.76	3.84	3.92	4.00	4.07	4.14	4.22	4.30	4.38	4.46	4.54	4.61
3.36	3.44	3.52	3.60	3.68	3.76	3.84	3.92	4.00	4.08	4.16	4.24	4.32	4.40	4.48	4.56	4.64	4.73	4.81
3.57	3.65	3.74	3.83	3.91	4.00	4.08	4.17	4.25	4.34	4.42	4.51	4.59	4.67	4.76	4.84	4.93	5.01	5.10
5.36	5.48	5.61	5.73	5.87	5.99	6.12	6.25	6.37	6.50	6.63	6.76	6.89	7.01	7.14	7.26	7.40	7.52	7.65

Special Rates or Discounts

- ☆ First 60 kwh of monthly consumption at 2.0¢, second 60 kwh and all kwh in excess of 1,000 at 1.0¢.
- ★ Flat-rate water-heater service—Toronto
  - System-owned—First 400 watts \$2.90 per month.
    - Each 100 watts additional 40¢ per month, plus a monthly charge for larger tank sizes as follows:
      - 30¢ for 1,000-watt and 1,200-watt heaters.
      - 40¢ for 1,500-watt heaters.
      - 50¢ for 2,000-watt and 2,500-watt heaters.
      - 55¢ for heaters 3,000-watts and over.
      - 1000/3000-watt Cascade 40—\$5.82 gross per month.
  - Customer-owned—First 400 watts \$1.98 per month.
    - Each 100 watts additional 40¢ per month.
- w Special rate for metered water-heating customers only.
  - When loads are subject to central control, these rates may be somewhat lower.
- c Special rate of 0.6¢ as alternative for controlled metered water-heating customers.
- N Rates are Net. (Subject to 5% or 10% Delayed Payment Charge).
- n Residential rates are net. (Subject to 10% Delayed Payment Charge).
- ° Commercial customers with a connected load of under 5 kilowatts billed at residential rates.
- § Farm customers billed at standard rural rates.
- §§ Farm customers billed at special rates.
- S Special rate applicable to selected categories.

**CUSTOMERS, REVENUE,  
for the Year Ended  
In Forty Major Municipal  
(Arranged in descending order)**

	TOTAL REVENUE (including Street Lighting)	TOTAL CONSUMPTION (including Street Lighting)	RESIDENTIAL SERVICE (including flat-rate water-heaters)				
			Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Average Cost per Kwh
	\$	kwh	\$	kwh		kwh	¢
Toronto.....	45,300,389	4,150,571,942	12,470,067	981,656,661	185,272	442	1.27
Hamilton.....	25,898,611	3,386,808,757	5,365,533	480,708,508	81,222	493	1.12
North York Twp.....	19,519,330	1,695,855,440	9,444,525	822,907,229	108,729	631	1.15
Ottawa.....	15,549,227	1,559,704,801	5,583,408	713,929,546	87,806	678	0.78
Etobicoke Twp.....	12,126,539	1,132,861,334	5,425,966	512,416,682	62,682	681	1.06
Scarborough Twp.....	12,623,010	1,110,571,156	6,310,772	547,662,293	74,148	616	1.15
London.....	10,468,717	880,351,121	4,414,309	326,713,456	56,544	482	1.35
Windsor.....	9,060,933	831,175,994	3,340,774	262,924,431	52,987	414	1.27
St. Catharines.....	6,358,719	661,214,141	1,910,109	159,280,439	26,318	504	1.20
Toronto Twp.....	6,767,977	648,093,604	2,547,189	216,876,736	25,711	703	1.17
Oakville.....	5,039,423	584,990,660	1,500,949	125,856,354	13,876	756	1.19
Oshawa.....	5,186,800	577,551,492	1,783,092	196,686,188	23,214	706	0.91
Kitchener.....	5,478,844	531,094,484	1,901,186	184,958,502	26,906	573	1.03
York Twp.....	4,601,771	440,697,079	2,331,746	226,770,649	39,599	477	1.03
Kingston.....	3,774,734	403,299,045	1,259,513	121,389,121	16,156	626	1.04
Brantford.....	3,052,146	313,625,558	1,140,098	102,494,224	16,989	503	1.11
Peterborough.....	3,068,701	305,538,426	1,439,324	132,468,480	16,306	677	1.09
Guelph.....	3,380,257	300,382,870	1,298,858	103,651,833	13,930	620	1.25
Sudbury.....	3,296,927	282,251,430	1,817,668	176,869,733	22,908	643	1.03
Port Arthur.....	2,819,524	272,542,319	1,004,585	94,391,535	12,997	605	1.06
Burlington.....	3,269,824	269,648,108	1,835,980	148,099,176	16,988	726	1.24
Sarnia.....	2,919,746	257,148,004	1,140,299	81,418,382	15,196	446	1.40
Fort William.....	2,079,846	239,626,060	830,809	108,669,637	13,514	670	0.76
East York Twp.....	2,590,800	235,852,237	1,488,590	132,746,907	23,741	466	1.12
Niagara Falls.....	2,638,469	233,478,828	1,064,999	94,052,013	16,092	487	1.13
New Toronto.....	1,583,029	203,302,717	245,950	23,568,351	3,838	512	1.04
Nepean Twp.....	2,323,528	192,409,089	1,433,722	112,468,292	12,091	775	1.27
Welland.....	2,075,244	180,158,773	657,252	47,131,115	10,933	359	1.39
Galt.....	1,843,093	180,084,156	726,576	66,877,347	9,677	576	1.09
Waterloo.....	1,881,571	168,248,469	675,939	62,295,164	7,385	703	1.09
Brampton.....	2,046,064	165,790,362	911,895	69,101,420	8,456	681	1.32
Chatham.....	2,248,230	153,960,808	636,658	39,231,369	8,927	366	1.62
Belleville.....	1,687,804	152,812,174	793,079	74,739,172	10,124	615	1.06
Woodstock.....	1,548,850	142,291,058	629,797	55,952,484	7,329	636	1.13
Barrie.....	1,348,442	137,791,529	624,635	60,663,657	7,602	665	1.03
Stratford.....	1,512,311	131,929,520	577,714	48,587,432	6,866	590	1.19
St. Thomas.....	1,333,405	119,967,746	577,752	46,748,597	7,855	496	1.24
Brockville.....	1,145,707	115,766,000	504,588	45,362,005	6,207	609	1.11
Forest Hill.....	1,183,992	113,641,090	820,995	80,702,420	8,625	780	1.02
Port Credit.....	874,516	108,866,270	181,917	17,425,377	2,567	566	1.04

\*General rate in effect—statistics for Commercial and Industrial Power Service combined.

AND CONSUMPTION  
December 31, 1966  
Electrical Utilities  
of total consumption)

COMMERCIAL SERVICE (including flat-rate water-heaters)					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Av- erage Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Av- erage Cost per Kwh ▲
\$	kwh		kwh	¢	\$	kwh		kw	kwh	¢
10,122,129	732,322,245	24,694	2,471	1.38	21,551,906	2,374,460,079	7,399	530,756	26,743	0.91
3,719,021	319,163,550	8,957	2,969	1.17	16,258,503	2,563,947,203	945	441,676	226,098	0.63
6,547,109	533,711,552	7,135	6,233	1.23	3,130,250	314,630,219	1,114	89,350	23,536	0.99
8,925,556	774,827,843	11,560	5,586	1.15	532,677	52,648,581	164	15,834	26,752	1.01
2,446,448	189,423,267	2,778	5,682	1.29	3,820,371	415,293,745	1,129	105,887	30,654	0.92
3,144,332	260,467,702	3,798	5,715	1.21	2,725,952	284,732,018	636	74,925	37,308	0.96
2,599,786	199,607,656	3,063	5,431	1.30	3,177,619	342,924,129	551	80,694	51,864	0.93
*5,277,649	*553,133,251	*6,276	*7,345	*0.95	*	*	*	*	*	*
1,153,831	86,469,996	2,697	2,672	1.33	3,098,316	406,268,836	276	81,993	122,666	0.76
1,091,441	84,987,057	965	7,339	1.28	2,928,083	340,913,788	343	68,766	82,826	0.86
625,279	47,836,305	924	4,314	1.31	2,841,190	408,910,917	179	63,482	190,368	0.69
890,385	80,961,634	1,310	5,150	1.10	2,354,106	293,526,710	321	62,684	76,201	0.80
1,252,291	103,322,820	1,767	4,873	1.21	2,141,854	235,295,309	275	60,194	71,302	0.91
1,194,310	102,414,382	1,859	4,591	1.17	880,537	104,973,092	172	25,402	50,859	0.84
1,125,530	95,794,567	2,542	3,140	1.17	1,283,095	182,143,257	190	38,204	79,887	0.70
591,570	51,260,765	1,688	2,531	1.15	1,227,217	156,206,569	357	40,770	36,463	0.79
599,225	50,014,478	824	5,058	1.20	901,673	119,047,248	282	28,485	35,179	0.76
634,454	45,249,341	1,204	3,132	1.40	1,312,910	147,369,696	142	33,899	86,485	0.89
1,043,875	80,637,979	2,329	2,885	1.29	255,895	20,103,278	301	7,963	5,566	1.27
729,589	64,596,042	1,570	3,429	1.13	947,081	108,163,794	57	31,315	158,134	0.88
701,419	51,785,344	835	5,168	1.35	688,549	67,904,591	179	19,205	31,613	1.01
727,347	48,191,702	894	4,492	1.51	936,503	123,828,680	144	27,426	71,660	0.76
564,534	57,289,063	1,596	2,991	0.99	564,623	69,184,160	161	21,090	35,810	0.82
615,236	55,292,088	1,069	4,310	1.11	379,520	43,148,490	90	11,528	39,952	0.88
979,319	85,637,598	1,076	6,632	1.14	447,979	48,957,217	96	13,392	42,498	0.92
181,371	15,047,950	299	4,194	1.21	1,131,170	163,983,496	40	30,214	341,632	0.69
703,043	59,797,722	760	6,557	1.18	183,517	19,847,075	53	4,378	31,206	0.92
423,022	31,250,569	632	4,121	1.35	899,490	99,023,756	94	25,398	87,787	0.91
290,029	21,970,160	624	2,934	1.32	751,678	88,578,649	151	23,735	48,884	0.85
525,428	40,967,751	811	4,210	1.28	595,742	62,112,890	96	14,076	53,917	0.96
487,294	36,868,018	514	5,977	1.32	575,012	58,351,732	117	14,616	41,561	0.99
628,875	33,786,468	1,246	2,260	1.86	868,045	77,288,127	290	21,081	22,209	1.12
468,051	35,436,118	970	3,044	1.32	353,075	39,956,567	118	10,229	28,218	0.88
262,188	18,963,454	499	3,167	1.38	605,543	64,979,920	149	16,999	36,342	0.93
351,281	26,733,717	617	3,611	1.31	359,066	49,341,235	120	13,414	34,265	0.73
*845,734	*80,662,968	*791	*8,498	*1.05	*	*	*	*	*	*
216,334	16,250,216	405	3,344	1.33	503,563	55,911,901	128	13,990	36,401	0.90
259,196	21,494,142	404	4,434	1.21	343,064	47,535,053	54	10,599	73,357	0.72
319,583	29,268,170	443	5,506	1.09	15,105	2,147,330	4	405	44,736	0.70
145,523	11,570,647	178	5,417	1.26	525,981	79,175,270	11	11,884	599,813	0.66

▲See Introduction page 213.

**CUSTOMERS, REVENUE,  
for the Year Ended  
(By Municipalities)**

	Popula- tion	Total Customers	Peak Load Decem- ber 1966	RESIDENTIAL SERVICE (including flat-rate water-heaters)				
				Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Av- erage Cost per Kwh
			kw	\$	kwh		kwh	¢
Acton.....	4,353	1,358	5,673	106,363	9,700,375	1,247	648	1.10
Ailsa Craig.....	547	231	520	12,176	1,100,500	205	447	1.11
Ajax.....	9,236	2,701	11,131	202,645	16,238,438	2,507	540	1.25
Alexandria.....	2,783	1,019	3,913	76,854	7,138,887	919	647	1.08
Alfred.....	1,072	348	1,048	28,040	2,390,555	319	624	1.17
Alliston.....	3,263	1,182	3,865	75,510	7,269,664	1,000	606	1.04
Almonte.....	3,513	1,215	<b>3,749</b>	83,641	7,710,700	1,139	564	1.09
Alvinston.....	641	341	385	12,878	733,220	310	197	1.76
Amherstburg.....	4,443	1,469	4,625	103,809	9,806,607	1,312	623	1.06
Ancaster Twp. (including Ancaster).....	14,888	1,153	3,580	133,686	10,334,355	1,101	782	1.29
Apple Hill.....	325	116	174	5,566	401,250	96	348	1.39
Arkona.....	397	200	358	14,378	1,145,836	188	508	1.25
Arnprior.....	5,334	1,881	7,650	130,191	13,110,804	1,711	639	0.99
Arthur.....	1,270	520	1,265	35,081	3,180,366	462	574	1.10
Athens.....	1,003	366	780	21,869	2,126,002	348	509	1.03
Atikokan Twp.....	6,504	1,804	5,046	179,493	15,234,183	1,653	768	1.18
Aurora.....	10,137	2,999	8,874	214,920	19,853,814	2,723	608	1.08
Avonmore.....	229	114	227	8,455	548,000	102	448	1.54
Aylmer.....	4,556	1,588	6,010	110,914	11,045,100	1,430	644	1.00
Ayr.....	1,134	412	1,258	27,108	2,522,277	339	620	1.07
Baden.....	943	304	1,072	23,151	2,184,628	286	637	1.06
†Bala.....	x477	863	1,160	50,073	2,025,535	780	216	2.47
Bancroft.....	2,129	789	<b>1,814</b>	53,875	4,267,430	707	503	1.26
Barrie.....	24,417	8,339	29,725	624,635	60,663,657	7,602	665	1.03
Barry's Bay.....	1,382	449	840	23,050	1,922,883	416	385	1.20
Bath.....	750	266	581	21,800	1,657,689	242	571	1.32
Beachburg.....	518	222	475	15,768	1,139,720	206	461	1.38
Beachville.....	933	323	2,642	21,498	2,015,200	311	540	1.07
Beamsville.....	3,802	1,281	2,654	91,654	6,924,929	1,178	490	1.32
†Beardmore.....	1,039	336	549	25,937	1,675,545	256	545	1.55
Beaverton.....	1,227	631	1,673	41,269	4,009,960	579	577	1.03
Beeton.....	965	341	809	22,890	2,181,460	321	566	1.05
Belle River.....	2,203	807	1,399	48,250	3,098,030	749	345	1.56
Belleville.....	32,954	11,212	32,105	793,079	74,739,172	10,124	615	1.06
Belmont.....	724	244	1,124	19,599	1,449,206	227	532	1.35
Blenheim.....	3,203	1,250	2,512	59,825	4,467,050	1,102	338	1.34
†Blind River.....	3,472	1,160	3,505	98,096	6,902,329	969	594	1.42
Bloomfield.....	723	300	648	17,741	1,636,338	278	491	1.08
Blyth.....	740	340	944	20,784	1,880,555	301	521	1.11
Bobcaygeon.....	1,312	767	1,528	54,910	4,000,186	683	488	1.37

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

xExcluding summer population.



## AND CONSUMPTION

December 31, 1966

Alphabetically Arranged)

COMMERCIAL SERVICE (including flat-rate water-heaters)					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Ave- rage Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Ave- rage Cost per Kwh ▲
\$	kwh		kwh	¢	\$	kwh		kw	kwh	¢
32,544	2,107,641	71	2,474	1.54	162,425	14,559,529	40	4,067	30,332	1.12
4,134	260,031	20	1,083	1.59	9,036	575,500	6	314	7,993	1.57
87,813	7,122,440	115	5,161	1.23	247,847	28,349,434	79	7,577	29,904	0.87
31,673	2,262,638	80	2,357	1.40	73,455	7,000,637	20	1,755	29,169	1.05
7,459	470,915	19	2,065	1.58	10,827	790,975	10	326	6,591	1.37
65,135	4,147,364	154	2,244	1.57	60,829	6,580,826	28	1,696	19,586	0.92
24,962	2,022,240	56	3,009	1.23	44,243	5,794,070	20	1,356	24,142	0.76
6,474	337,090	25	1,124	1.92	2,575	101,530	6	71	1,410	2.54
45,864	3,426,559	121	2,360	1.34	105,048	10,558,815	36	2,871	24,442	0.99
33,455	1,919,669	44	3,636	1.74	4,437	298,610	8	125	3,111	1.49
1,912	101,300	20	422	1.89						
4,212	262,706	10	2,189	1.60	526	8,190	2	32	341	.....
74,905	5,962,806	147	3,380	1.26	102,500	12,363,647	23	2,746	44,796	0.83
14,197	889,304	43	1,723	1.60	7,247	340,270	15	287	1,890	2.13
5,610	428,210	17	2,099	1.31	541	10,200	1	37	850	5.30
77,611	5,063,150	141	2,992	1.53	6,630	509,930	10	195	4,249	1.30
84,979	6,463,537	230	2,342	1.31	133,777	12,508,106	46	3,951	22,660	1.07
3,276	188,580	11	1,429	1.74	1,033	48,350	1	34	4,029	2.14
66,506	5,117,150	122	3,495	1.30	87,055	6,998,620	36	2,897	16,201	1.24
13,572	865,106	61	1,182	1.57	15,288	817,477	12	469	5,677	1.87
3,718	272,015	13	1,744	1.37	22,215	2,083,168	5	650	34,719	1.07
14,598	761,878	77	825	1.92	1,314	86,780	6	44	1,205	1.51
34,055	2,077,111	69	2,509	1.64	11,340	723,460	13	342	4,638	1.57
351,281	26,733,717	617	3,611	1.31	359,066	49,341,235	120	13,414	34,265	0.73
10,408	792,145	29	2,276	1.31	1,244	93,460	4	46	1,947	1.33
5,796	279,860	23	1,014	2.07	795	125,509	1	11	10,459	0.63
2,771	177,679	12	1,234	1.56	7,568	515,230	4	225	10,734	1.47
2,375	152,630	10	1,272	1.56	91,654	14,106,356	2	2,175	587,765	0.65
42,447	2,732,812	92	2,475	1.55	9,505	584,928	11	264	4,431	1.62
18,638	1,146,907	78	1,225	1.63	207	9,180	2	8	383	2.25
13,895	1,088,070	38	2,386	1.28	28,123	2,509,406	14	1,119	14,937	1.12
3,525	202,670	13	1,299	1.74	6,435	472,860	7	180	5,629	1.36
24,755	1,463,160	51	2,391	1.69	5,783	399,388	7	168	4,755	1.45
468,051	35,436,118	970	3,044	1.32	353,075	39,956,567	118	10,229	28,218	0.88
4,197	262,660	11	1,990	1.60	42,656	3,695,884	6	989	51,332	1.15
41,135	2,544,790	112	1,893	1.62	40,700	2,747,760	36	1,091	6,361	1.48
67,227	4,128,493	185	1,860	1.63	22,104	1,525,425	6	414	21,186	1.45
4,966	357,039	16	1,860	1.39	3,362	163,341	6	140	2,269	2.06
8,216	531,739	31	1,429	1.55	16,802	1,509,010	8	417	15,719	1.11
16,853	877,315	74	988	1.92	11,398	686,303	10	304	5,719	1.66

▲See Introduction page 213.

CUSTOMERS, REVENUE,  
for the Year Ended

	Popula- tion	Total Customers	Peak Load Decem- ber 1966	RESIDENTIAL SERVICE (including flat-rate water-heaters)				
				Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Ave- rage Cost per Kwh
			kw	\$	kwh		kwh	¢
Bolton.....	2,233	706	2,096	71,988	5,642,974	651	722	1.28
Bothwell.....	826	342	758	16,234	1,350,000	296	380	1.20
Bowmanville.....	8,252	2,774	11,564	222,179	21,631,957	2,597	694	1.03
Bracebridge.....	3,044	1,286	<b>3,840</b>	86,763	7,349,360	1,046	586	1.18
Bradford.....	2,450	917	2,967	61,751	5,727,457	778	613	1.08
Braeside.....	521	165	2,041	9,693	793,002	158	418	1.22
Brampton.....	34,936	9,087	37,774	911,895	69,101,420	8,456	681	1.32
Brantford.....	58,395	19,034	68,293	1,140,098	102,494,224	16,989	503	1.11
Brantford Twp.....	8,851	2,662	9,834	314,202	23,887,190	2,488	800	1.32
Brechin.....	268	100	205	4,612	480,015	86	465	0.96
Bridgeport.....	2,030	567	1,686	59,158	4,653,938	527	736	1.27
Brigden.....	516	217	361	8,106	664,760	187	296	1.22
Brighton.....	2,752	1,068	2,559	73,476	6,801,023	990	572	1.08
Brockville.....	19,267	6,665	24,638	504,588	45,362,005	6,207	609	1.11
Brussels.....	842	390	913	28,384	2,293,634	347	551	1.24
Burford.....	1,078	447	1,039	35,268	3,152,126	408	644	1.12
Burgessville.....	292	105	301	7,565	692,055	90	641	1.09
Burk's Falls.....	1,070	375	1,071	25,311	2,138,610	343	520	1.18
Burlington.....	65,376	18,002	62,236	1,835,980	148,099,176	16,988	726	1.24
Cache Bay.....	623	175	271	8,211	619,880	170	304	1.32
Caledonia.....	2,723	930	1,703	51,763	4,135,897	854	404	1.25
Campbellford.....	3,382	1,360	<b>3,707</b>	70,874	9,018,426	1,224	614	0.79
Campbellville.....	252	89	240	8,690	702,005	82	713	1.24
Cannington.....	1,027	457	1,140	30,489	2,971,150	417	594	1.03
Capreol.....	3,098	1,016	2,763	95,873	8,056,245	962	698	1.19
Cardinal.....	1,948	684	1,215	39,932	3,584,612	638	468	1.11
Carleton Place.....	4,917	1,828	4,196	128,077	10,443,451	1,703	511	1.23
Casselman.....	1,295	405	1,064	29,222	2,399,371	372	537	1.22
Cayuga.....	1,016	412	799	24,496	1,855,478	359	431	1.32
Chalk River.....	1,060	273	696	22,797	1,986,780	257	644	1.15
Chapleau Twp.....	3,867	1,094	1,876	99,034	4,588,028	1,031	371	2.16
Chatham.....	31,479	10,463	34,132	636,658	39,231,369	8,927	366	1.62
Chatsworth.....	386	190	382	11,693	1,046,560	172	507	1.12
Chesley.....	1,700	768	1,616	37,527	3,861,866	631	510	0.97
Chesterville.....	1,315	461	1,810	31,751	2,985,851	422	590	1.06
Chippawa.....	3,845	1,190	2,177	78,855	5,746,553	1,138	421	1.37
Clifford.....	522	235	529	16,540	1,417,525	216	547	1.17
Clinton.....	3,196	1,272	3,161	89,836	7,721,585	1,142	563	1.16
†Cobalt.....	2,138	729	1,396	57,854	3,888,156	615	527	1.49
Cobden.....	891	401	964	20,996	2,308,058	367	524	0.91

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

## AND CONSUMPTION

December 31, 1966

COMMERCIAL SERVICE (including flat-rate water-heaters)					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh ▲
\$	kwh		kwh	¢	\$	kwh		kw	kwh	¢
25,552	1,785,320	42	3,542	1.43	11,079	663,588	13	328	4,254	1.67
11,646	883,348	34	2,165	1.32	5,923	203,055	12	278	1,410	2.92
81,155	7,430,086	153	4,047	1.09	167,427	21,997,670	24	5,327	76,381	0.76
63,936	4,776,233	214	1,860	1.34	21,171	2,207,183	26	751	7,074	0.96
36,466	2,341,013	108	1,806	1.56	36,433	3,447,546	31	1,039	9,268	1.06
1,197	79,440	5	1,324	1.51	66,579	7,860,938	2	1,767	327,539	0.85
487,294	36,868,018	514	5,977	1.32	575,012	58,351,732	117	14,616	41,561	0.99
591,570	51,260,765	1,688	2,531	1.15	1,227,217	156,206,569	357	40,770	36,463	0.79
80,304	6,243,211	107	4,862	1.29	210,299	18,796,729	67	6,387	23,379	1.12
2,905	224,915	13	1,442	1.29	420	12,792	1	26	1,066	3.28
22,704	1,536,712	33	3,881	1.48	5,955	296,900	7	185	3,535	2.01
4,872	359,900	21	1,428	1.35	4,747	194,810	9	208	1,804	2.44
31,404	2,223,909	67	2,766	1.41	12,190	1,038,445	11	352	7,867	1.17
259,196	21,494,142	404	4,434	1.21	343,064	47,535,053	54	10,599	73,357	0.72
8,566	501,710	34	1,230	1.71	7,033	376,287	9	198	3,484	1.87
10,838	713,692	28	2,124	1.52	6,428	420,772	11	205	3,188	1.53
4,375	203,870	13	1,307	2.15	1,791	39,982	2	74	1,666	4.48
12,131	838,160	28	2,495	1.45	12,229	1,094,180	4	307	22,795	1.12
701,419	51,785,344	835	5,168	1.35	688,549	67,904,591	179	19,205	31,613	1.01
1,732	107,770	4	2,245	1.61	527	21,670	1	30	1,806	2.43
25,637	1,677,500	56	2,496	1.53	11,079	894,290	20	237	3,726	1.24
36,030	3,522,625	117	2,509	1.02	21,854	2,310,774	19	958	10,135	0.95
1,905	125,473	7	1,494	1.52	.....	.....	.....	.....	.....	.....
7,926	558,756	28	1,663	1.42	5,135	361,410	12	172	2,510	1.42
23,379	1,542,001	48	2,677	1.52	14,762	1,589,012	6	341	22,070	0.93
10,275	704,639	42	1,398	1.46	1,307	115,460	4	37	2,405	1.13
47,468	3,004,886	107	2,340	1.58	52,858	5,060,197	18	1,473	23,427	1.04
14,347	901,715	27	2,783	1.59	8,655	471,535	6	334	6,549	1.84
13,666	851,075	42	1,689	1.61	7,702	262,330	11	281	1,987	2.94
6,898	509,470	13	3,266	1.35	2,867	320,850	3	79	8,913	0.89
32,276	1,367,132	45	2,532	2.36	13,975	597,483	18	224	2,766	2.34
628,875	33,786,468	1,246	2,260	1.86	868,045	77,288,127	290	21,081	22,209	1.12
4,972	314,750	17	1,543	1.58	407	10,350	1	20	863	3.93
17,177	1,212,550	109	927	1.42	13,332	1,030,872	28	478	3,068	1.29
8,927	669,639	30	1,860	1.33	39,681	3,713,540	9	1,102	34,385	1.07
22,044	1,466,420	38	3,216	1.50	6,803	608,641	14	206	3,623	1.12
3,444	247,856	13	1,589	1.39	4,371	345,580	6	110	4,800	1.26
53,188	3,609,634	106	2,838	1.47	24,844	1,909,156	24	691	6,629	1.30
25,304	1,413,359	108	1,091	1.79	8,313	670,221	6	190	9,309	1.24
9,376	680,421	28	2,025	1.38	5,838	243,530	6	313	3,382	2.40

▲See Introduction page 213.

**CUSTOMERS, REVENUE,  
for the Year Ended**

	Popula- tion	Total Customers	Peak Load Decem- ber 1966	RESIDENTIAL SERVICE (including flat-rate water-heaters)				
				Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Ave- rage Cost per Kwh
			kw	\$	kwh		kwh	¢
Cobourg.....	10,386	3,884	15,094	252,445	25,527,549	3,504	607	0.99
Cochrane.....	4,711	1,424	4,233	103,464	8,392,274	1,203	581	1.23
Colborne.....	1,501	617	1,570	40,828	3,622,352	509	593	1.13
Coldwater.....	684	299	945	21,709	2,197,110	281	652	0.99
Collingwood.....	8,229	3,437	9,601	187,621	18,964,745	3,160	500	0.99
Comber.....	605	242	437	12,461	941,580	214	367	1.32
Coniston.....	2,608	701	1,681	59,088	5,103,685	681	625	1.16
Cookstown.....	709	264	678	17,847	1,794,803	246	608	0.99
Cottam.....	680	257	302	13,398	1,105,130	231	399	1.21
Courtright.....	598	236	335	13,437	758,130	220	287	1.77
Creemore.....	807	367	940	22,042	2,159,380	337	534	1.02
Dashwood.....	408	193	454	15,513	1,062,100	181	489	1.46
Deep River.....	5,728	1,511	5,901	153,867	15,270,632	1,378	923	1.01
Delaware.....	429	148	343	13,510	1,040,784	138	628	1.30
Delhi.....	3,617	1,509	3,895	74,122	6,692,191	1,337	417	1.11
Deseronto.....	1,772	618	1,389	40,891	3,489,344	581	500	1.17
Dorchester.....	1,073	379	738	22,265	1,892,070	358	440	1.18
Drayton.....	682	288	619	21,995	1,577,610	256	514	1.39
Dresden.....	2,378	960	2,070	47,216	3,446,355	869	330	1.37
Drumbo.....	421	175	318	11,989	1,076,021	168	534	1.11
Dryden.....	6,657	2,115	5,817	192,460	15,303,233	1,964	649	1.26
Dublin.....	293	122	400	7,231	656,180	105	521	1.10
Dundalk.....	898	491	1,026	27,014	2,350,410	435	450	1.15
Dundas.....	15,178	4,700	14,536	395,750	30,682,568	4,358	587	1.29
Dunnville.....	5,293	2,029	4,769	88,065	6,700,143	1,782	313	1.31
Durham.....	2,425	932	2,551	62,784	5,356,190	842	530	1.17
Dutton.....	835	360	562	15,092	1,160,968	327	296	1.30
East York Twp.....	72,842	24,900	48,974	1,488,590	132,746,907	23,741	466	1.12
Eganville.....	1,369	517	1,270	28,618	2,309,573	451	427	1.24
†Elk Lake Townsite.....	\$650	231	529	15,451	1,095,084	172	531	1.41
Elmira.....	4,052	1,408	6,813	103,935	9,335,327	1,278	609	1.11
Elmvale.....	1,056	433	1,077	26,946	2,512,260	388	540	1.07
Elmwood.....	\$450	141	254	7,101	639,020	133	400	1.11
Elora.....	1,586	575	1,278	49,043	3,332,718	536	518	1.47
Embro.....	608	253	599	19,593	1,710,480	229	622	1.15
Embrun.....	1,136	345	1,241	36,579	2,653,937	317	698	1.38
†Englehart.....	1,738	645	1,280	45,559	2,868,344	538	444	1.59
Erieau.....	471	380	521	18,402	1,452,310	347	348	1.27
Erie Beach.....	x202	146	86	7,286	302,560	139	181	2.41
Erin.....	1,206	457	1,008	33,881	2,955,310	418	589	1.15

†Retail service provided by The Hydro-Electric Power Commission of Ontario

\$Estimated.

xExcluding summer population.



## AND CONSUMPTION

December 31, 1966

COMMERCIAL SERVICE (including flat-rate water-heaters)					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Av- erage Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Av- erage Cost per Kwh ▲
\$	kwh		kwh	¢	\$	Kwh		kw	kwh	¢
89,605	7,397,813	301	2,048	1.21	291,817	39,605,563	79	9,055	41,778	0.74
73,368	4,792,993	212	1,884	1.53	39,453	4,436,052	9	923	41,075	0.89
22,913	1,205,381	94	1,069	1.90	13,986	803,231	14	364	4,781	1.74
6,102	419,685	15	2,332	1.45	6,605	375,102	3	267	10,420	1.76
102,956	8,443,632	208	3,383	1.22	124,023	13,584,941	69	4,116	16,407	0.91
6,512	414,590	21	1,645	1.57	5,861	214,520	7	217	2,554	2.73
8,891	537,110	16	2,797	1.66	2,605	176,200	4	73	3,671	1.48
2,479	155,560	13	997	1.59	2,677	136,420	5	114	2,274	1.96
3,811	226,130	18	1,047	1.69	4,857	100,597	8	255	1,048	4.83
5,080	273,510	14	1,628	1.86	755	77,500	2	15	3,229	0.97
5,957	466,260	24	1,619	1.28	3,892	216,900	6	175	3,013	1.79
2,451	125,600	8	1,308	1.95	8,527	376,040	4	244	7,834	2.27
85,407	6,389,186	127	4,192	1.34	12,474	973,880	6	380	13,526	1.28
3,812	177,248	10	1,477	2.15						
63,532	4,534,660	133	2,841	1.40	44,571	2,733,677	39	1,487	5,841	1.63
8,658	576,504	24	2,002	1.50	22,131	1,667,200	13	632	10,687	1.33
3,653	180,297	18	835	2.03	6,522	355,328	3	211	9,870	1.84
5,821	325,945	29	937	1.79	4,592	201,650	3	134	5,601	2.28
30,811	1,874,209	68	2,297	1.64	57,595	4,451,718	23	1,540	16,129	1.29
1,346	58,660	5	978	2.29	1,097	33,520	2	47	1,397	3.27
114,556	7,648,620	146	4,366	1.50	7,829	592,600	5	184	9,877	1.32
4,293	320,170	15	1,779	1.34	6,868	330,500	2	229	13,771	2.08
13,509	782,975	41	1,591	1.73	10,063	597,096	15	355	3,317	1.69
169,025	12,023,688	237	4,228	1.41	174,204	14,879,899	105	5,350	11,809	1.17
72,777	4,999,864	207	2,013	1.46	102,369	10,150,410	40	2,836	21,147	1.01
26,173	1,789,810	66	2,260	1.46	36,112	2,673,575	24	1,126	9,283	1.35
6,276	447,309	21	1,775	1.40	7,963	565,931	12	253	3,930	1.41
615,236	55,292,088	1,069	4,310	1.11	379,520	43,148,490	90	11,528	39,952	0.88
21,913	1,152,406	59	1,628	1.90	11,362	893,603	7	288	10,638	1.27
9,148	539,615	56	803	1.70	3,347	131,200	3	105	3,644	2.55
49,710	3,253,090	90	3,012	1.53	160,843	15,882,364	40	4,215	33,088	1.01
19,459	1,440,770	31	3,873	1.35	4,595	291,152	14	173	1,733	1.58
1,398	88,696	7	1,056	1.58	2,449	110,000	1	80	9,167	2.23
11,779	666,110	33	1,682	1.77	11,262	740,800	6	302	10,289	1.52
5,755	370,870	20	1,545	1.55	4,072	191,360	4	95	3,987	2.13
11,404	792,582	21	3,145	1.44	8,131	416,630	7	281	4,960	1.95
29,493	1,707,682	102	1,395	1.73	6,520	621,180	5	139	10,353	1.05
8,188	575,743	28	1,714	1.42	7,247	350,350	5	207	5,839	2.07
761	30,450	7	363	2.50						
11,107	744,170	32	1,938	1.49	4,288	271,620	7	177	3,234	1.58

▲See Introduction page 213.

# CUSTOMERS, REVENUE, for the Year Ended

	Popula- tion	Total Customers	Peak Load Decem- ber 1966	RESIDENTIAL SERVICE (including flat-rate water-heaters)				
				Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Ave- rage Cost per Kwh
			kw	\$	kwh		kwh	¢
Espanola . . . . .	5,528	1,443	4,048	133,233	11,928,944	1,350	736	1.12
Essex . . . . .	3,555	1,247	2,703	73,524	6,012,054	1,115	449	1.22
Etobicoke Twp. . . . .	214,963	66,589	232,938	5,425,966	512,416,682	62,682	681	1.06
Exeter . . . . .	3,093	1,338	3,092	115,677	8,989,043	1,181	634	1.29
Fergus . . . . .	4,456	1,589	7,054	119,658	10,072,988	1,458	576	1.19
Finch . . . . .	382	171	358	10,375	857,395	155	461	1.21
Flesherton . . . . .	480	244	664	13,012	1,460,300	216	563	0.89
Fonthill . . . . .	2,828	915	1,889	63,922	5,442,949	826	549	1.17
Forest . . . . .	2,105	882	2,118	57,698	5,700,482	806	589	1.01
Forest Hill . . . . .	22,970	9,072	22,051	820,995	80,702,420	8,625	780	1.02
Fort William . . . . .	47,963	15,271	47,853	830,809	108,669,637	13,514	670	0.76
Frankford . . . . .	1,783	662	1,468	44,609	4,276,295	615	579	1.04
Galt . . . . .	32,708	10,452	37,349	726,576	66,877,347	9,677	576	1.09
Georgetown . . . . .	11,658	3,581	11,516	268,573	22,817,820	3,360	566	1.18
†Geraldton . . . . .	3,558	1,178	1,981	82,126	5,012,731	976	428	1.64
Glencoe . . . . .	1,167	559	983	20,620	1,835,738	488	313	1.12
Gloucester Twp. . . . .	21,050	4,838	20,467	568,803	43,059,129	4,545	789	1.32
Goderich . . . . .	6,611	2,584	8,179	169,416	14,785,443	2,367	521	1.15
†Gogama . . . . .	§500	161	322	16,215	622,033	137	378	2.61
Grand Bend . . . . .	x662	854	786	49,898	2,482,076	748	277	2.01
Grand Valley . . . . .	762	350	839	21,992	1,947,540	320	507	1.13
Granton . . . . .	306	123	216	8,919	584,300	104	468	1.53
Gravenhurst . . . . .	3,307	1,417	3,478	83,470	8,061,155	1,285	523	1.04
Grimsby . . . . .	6,515	2,236	4,857	136,633	10,392,171	2,029	427	1.31
Guelph . . . . .	49,497	15,276	63,032	1,298,858	103,651,833	13,930	620	1.25
Hagersville . . . . .	2,289	794	2,107	39,441	3,273,630	616	443	1.20
†Haileybury . . . . .	3,000	988	2,271	78,563	5,412,482	820	550	1.45
Hamilton . . . . .	283,345	91,124	552,788	5,365,533	480,708,508	81,222	493	1.12
Hanover . . . . .	4,830	1,831	7,379	112,490	10,994,562	1,554	590	1.02
Harriston . . . . .	1,573	696	1,915	47,168	4,062,503	624	543	1.16
Harrow . . . . .	1,884	718	2,029	54,023	4,938,938	622	662	1.09
Hastings . . . . .	832	412	760	24,978	1,953,016	384	424	1.28
Havelock . . . . .	1,254	460	905	28,340	2,547,882	426	498	1.11
Hawkesbury . . . . .	9,281	2,463	6,431	187,316	16,755,556	2,278	613	1.12
Hearst . . . . .	2,856	799	3,307	66,052	4,942,240	717	574	1.34
Hensall . . . . .	920	385	1,103	24,033	2,157,390	312	576	1.11
†Hepworth . . . . .	331	128	243	9,050	614,555	111	461	1.47
Hespeler . . . . .	5,328	1,654	7,686	103,978	8,760,092	1,491	490	1.19
Highgate . . . . .	423	171	231	5,883	465,480	149	260	1.26
Holstein . . . . .	163	97	190	4,912	438,010	78	468	1.12

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

§Estimated.

xExcluding summer population.

## AND CONSUMPTION

December 31, 1966

COMMERCIAL SERVICE (including flat-rate water-heaters)					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh ▲
\$	kwh		kwh	¢	\$	kwh		kw	kwh	¢
48,993	3,671,219	88	3,477	1.33	4,184	350,340	5	130	5,839	1.19
56,988	3,887,257	102	3,176	1.47	27,652	1,563,056	30	963	4,342	1.77
2,446,448	189,423,267	2,778	5,682	1.29	3,820,371	415,293,745	1,129	105,887	30,654	0.92
36,716	2,128,893	113	1,570	1.72	48,948	2,927,809	44	1,364	5,545	1.67
30,861	1,792,140	98	1,524	1.72	133,646	11,329,636	33	3,334	28,610	1.18
3,499	225,565	12	1,566	1.55	3,277	136,522	4	110	2,844	2.40
6,198	452,910	26	1,452	1.37	1,742	116,600	2	74	4,858	1.49
18,775	1,195,631	78	1,277	1.57	5,340	318,712	11	174	2,414	1.68
25,880	1,985,598	58	2,853	1.30	15,313	1,238,735	18	557	5,735	1.24
319,583	29,268,170	443	5,506	1.09	15,105	2,147,330	4	405	44,736	0.70
564,534	57,289,063	1,596	2,991	0.99	564,623	69,184,160	161	21,090	35,810	0.82
10,256	811,075	41	1,649	1.26	4,005	402,130	6	141	5,585	1.00
290,029	21,970,160	624	2,934	1.32	751,678	88,578,649	151	23,735	48,884	0.85
87,965	6,271,661	172	3,039	1.40	211,462	24,959,584	49	5,544	42,448	0.85
65,488	3,802,800	187	1,695	1.72	2,381	112,634	15	71	626	2.11
18,689	1,206,892	52	1,934	1.55	15,565	858,764	19	560	3,767	1.81
476,438	46,978,795	259	15,115	1.01	99,160	7,736,601	34	2,969	18,962	1.28
66,171	4,345,036	162	2,235	1.52	212,012	19,205,925	55	5,940	29,100	1.10
7,419	298,114	22	1,129	2.49	6,841	422,880	2	89	17,620	1.62
29,473	1,645,256	106	1,293	1.79						
5,946	338,410	24	1,175	1.76	4,858	275,950	6	172	3,833	1.76
1,771	74,390	18	344	2.38	121	790	1	6		
36,562	2,882,740	103	2,332	1.27	28,979	2,979,989	29	942	8,563	0.97
92,068	6,316,518	181	2,908	1.46	44,155	3,019,965	26	1,216	9,679	1.46
634,454	45,249,341	1,204	3,132	1.40	1,312,910	147,369,696	142	33,899	86,485	0.89
34,319	2,095,121	151	1,156	1.64	35,336	2,339,454	27	1,150	7,221	1.51
51,592	2,800,705	160	1,459	1.84	5,764	438,529	8	142	4,568	1.31
3,719,021	319,163,550	8,957	2,969	1.17	16,258,503	2,563,947,203	945	441,676	226,098	0.63
66,837	4,777,455	237	1,680	1.40	104,720	10,552,808	40	3,774	21,985	0.99
18,512	1,234,354	55	1,870	1.50	32,372	3,078,019	17	840	15,088	1.05
42,510	2,808,909	80	2,926	1.51	23,509	1,309,707	16	779	6,821	1.79
6,369	448,400	22	1,698	1.42	9,726	637,024	6	301	8,848	1.53
10,075	708,596	32	1,845	1.42	549	46,800	2	15	1,950	1.17
94,456	6,947,488	150	3,860	1.36	29,391	2,565,975	35	976	6,109	1.15
31,764	2,077,848	68	2,546	1.53	51,120	3,398,680	14	1,530	20,230	1.50
12,660	711,930	53	1,119	1.78	30,225	1,816,160	20	985	7,567	1.66
4,573	243,296	17	1,193	1.88						
38,645	2,459,449	128	1,601	1.57	211,184	24,996,925	35	6,479	59,516	0.84
3,878	283,630	19	1,244	1.37	921	40,100	3	24	1,114	2.30
1,215	75,440	17	370	1.61	839	37,800	2	18	1,575	2.22

▲See Introduction page 213.

# CUSTOMERS, REVENUE, for the Year Ended

	Popula- tion	Total Customers	Peak Load Decem- ber 1966	RESIDENTIAL SERVICE (including flat-rate water-heaters)				
				Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Av- erage Cost per Kwh
			kw	\$	kwh		kwh	¢
†Hornepayne.....	\$1,500	497	1,241	60,399	3,282,213	428	639	1.84
†Hudson Townsite.....	\$580	209	310	14,694	782,327	176	370	1.88
Huntsville.....	3,122	1,289	3,665	89,007	8,125,530	1,159	584	1.10
Ingersoll.....	7,245	2,498	7,462	159,402	10,688,909	2,229	400	1.49
Iroquois.....	1,123	412	1,283	30,583	3,021,643	351	717	1.01
Jarvis.....	835	297	579	15,840	1,116,721	273	341	1.42
†Jellicoe Townsite.....	\$200	63	80	3,920	213,467	53	336	1.84
Kapuskasing.....	12,389	2,186	6,106	160,122	13,884,957	2,008	576	1.15
†Kearns Townsite.....	\$500	184	308	12,399	883,016	171	430	1.40
Kemptville.....	2,142	866	2,721	68,414	5,680,421	807	587	1.20
Killaloe Station.....	825	286	583	20,717	1,301,282	265	409	1.59
Kincardine.....	2,734	1,335	2,979	89,514	8,206,093	1,206	567	1.09
King City.....	1,949	551	1,775	62,034	5,112,881	530	804	1.21
†King Kirkland Townsite....	\$600	206	410	18,522	1,345,231	184	609	1.38
Kingston.....	54,086	18,888	79,073	1,259,513	121,389,121	16,156	626	1.04
Kingsville.....	3,450	1,456	3,240	67,756	6,628,608	1,305	423	1.02
Kirkfield.....	194	106	159	6,812	495,070	99	417	1.38
†Kirkland Lake (including Swastika).....	\$18,000	6,081	11,371	391,025	26,638,058	5,112	434	1.47
Kitchener.....	91,376	28,948	114,599	1,901,186	184,958,502	26,906	573	1.03
Lakefield.....	2,201	825	2,379	62,980	5,655,289	741	636	1.11
Lambeth.....	2,654	814	1,926	74,356	5,412,769	782	577	1.37
Laarak.....	925	294	607	14,788	1,550,177	280	461	0.95
Lancaster.....	600	223	500	15,886	1,220,761	201	506	1.30
Larder Lake Twp.....	1,392	445	1,004	38,931	3,219,130	395	679	1.21
Latchford.....	488	151	312	8,712	679,054	144	393	1.28
Leamington.....	9,379	3,497	9,672	185,333	15,457,522	3,165	407	1.20
Lindsay.....	11,763	4,254	16,814	282,608	27,604,123	3,884	592	1.02
Listowel.....	4,420	1,745	5,087	116,807	10,915,428	1,571	579	1.07
London.....	187,624	60,158	188,284	4,414,309	326,713,456	56,544	482	1.35
Long Branch.....	12,439	5,068	9,406	278,723	25,752,181	4,853	442	1.08
L'Original.....	1,354	431	998	30,684	2,382,218	405	490	1.29
Lucan.....	969	384	940	29,880	2,527,918	355	593	1.18
Lucknow.....	1,078	488	1,163	25,105	2,372,647	383	516	1.06
Lynden.....	575	179	553	15,068	1,380,286	170	677	1.09
Madoc.....	1,264	607	1,396	33,180	3,422,557	534	534	0.97
Magnetawan.....	223	114	169	6,942	387,460	105	308	1.79
Markdale.....	1,099	478	1,114	26,418	2,449,994	380	537	1.08
Markham.....	7,694	2,238	7,817	213,864	17,554,253	2,082	703	1.22
Marmora.....	1,264	504	1,195	33,717	2,979,314	461	539	1.13
Martintown.....	377	124	212	6,358	526,110	108	406	1.21

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

§Estimated.



## AND CONSUMPTION

December 31, 1966

COMMERCIAL SERVICE (including flat-rate water-heaters)					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh ▲
\$	kwh		kwh	¢	\$	kwh		kw	kwh	¢
31,897	1,413,826	67	1,758	2.26	7,938	491,025	2	117	20,459	1.62
7,767	455,994	32	1,187	1.70	9,942	1,018,290	1	201	84,858	0.98
60,003	5,086,950	99	4,282	1.18	19,155	1,656,390	31	742	4,453	1.16
82,850	5,160,660	200	2,150	1.61	182,332	18,788,921	69	5,318	22,692	0.97
18,264	1,328,884	56	1,978	1.37	3,865	333,100	5	133	5,552	1.16
5,401	307,506	17	1,507	1.76	9,073	485,059	7	239	5,775	1.87
2,348	127,868	10	1,066	1.84						
104,775	7,291,231	151	4,024	1.44	9,277	704,430	27	400	2,174	1.32
3,170	170,802	12	1,186	1.86	464	24,490	1	13	2,041	1.89
40,840	3,035,544	48	5,270	1.35	27,469	1,731,183	11	828	13,115	1.59
8,811	544,986	21	2,163	1.62	53	280		4		
35,775	2,233,352	103	1,807	1.60	31,307	2,259,138	26	869	7,241	1.39
17,273	1,293,703	18	5,989	1.34	1,971	184,453	3	49	5,124	1.07
3,229	254,483	22	964	1.27						
1,125,530	95,794,567	2,542	3,140	1.17	1,283,095	182,143,257	190	38,204	79,887	0.70
35,391	2,469,332	118	1,744	1.43	30,756	2,084,717	33	1,333	5,264	1.48
1,082	50,774	7	604	2.13						
237,372	16,957,052	939	1,505	1.40	39,336	3,394,599	30	1,024	9,429	1.16
1,252,291	103,322,820	1,767	4,873	1.21	2,141,854	235,295,309	275	60,194	71,302	0.91
41,114	2,659,094	75	2,955	1.55	11,098	741,074	9	345	6,862	1.50
15,028	933,850	30	2,594	1.61	2,951	228,900	2	64	9,538	1.29
2,923	235,811	10	1,965	1.24	4,503	345,340	4	166	7,195	1.30
8,799	563,560	22	2,135	1.56						
10,755	591,880	46	1,072	1.82	1,548	140,920	4	30	2,936	1.10
3,101	231,179	6	3,211	1.34	21	90	1	2		
128,680	8,793,625	266	2,755	1.46	197,269	21,528,605	66	4,900	27,183	0.92
149,210	11,281,410	276	3,406	1.32	311,453	37,907,234	94	8,739	33,606	0.82
75,064	5,465,339	139	3,277	1.37	64,271	5,614,142	35	1,919	13,367	1.14
2,599,786	199,607,656	3,063	5,431	1.30	3,177,619	342,924,129	551	80,694	51,864	0.93
79,359	6,912,356	189	3,048	1.15	94,777	9,465,266	26	3,556	30,337	1.00
14,586	1,007,593	24	3,499	1.45	862	22,153	2	48	923	3.89
8,212	570,230	22	2,160	1.44	4,267	201,651	7	170	2,401	2.12
14,597	920,908	93	825	1.59	19,978	1,009,485	12	501	7,010	1.98
2,438	193,187	6	2,683	1.26	6,469	526,650	3	215	14,629	1.23
20,635	1,515,215	60	2,104	1.36	8,204	529,356	13	284	3,393	1.55
2,790	167,661	8	1,746	1.66	581	10,750	1	23	896	.....
19,762	1,277,235	91	1,170	1.55	5,904	451,300	7	180	5,373	1.31
89,147	6,505,247	132	4,107	1.37	52,380	4,693,506	24	1,544	16,297	1.12
14,539	952,772	37	2,146	1.53	3,082	240,686	6	83	3,343	1.28
2,127	146,740	14	873	1.45	835	20,250	2	49	844	4.12

▲See Introduction page 213.

# CUSTOMERS, REVENUE, for the Year Ended

	Popula- tion	Total Customers	Peak Load Decem- ber 1966	RESIDENTIAL SERVICE (including flat-rate water-heaters)				
				Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Average Cost per Kwh
			kw	\$	kwh		kwh	¢
Massey.....	1,221	362	807	34,799	2,307,679	337	571	1.51
†Matachewan Twp.....	§900	292	367	17,250	1,163,684	251	386	1.48
†Matheson.....	840	309	977	19,990	1,418,970	244	485	1.41
†Mattawa.....	2,998	869	2,334	87,887	5,200,480	736	589	1.69
Maxville.....	776	320	830	19,162	1,583,080	285	463	1.21
McGarry Twp.....	1,829	382	890	32,988	2,769,918	336	687	1.19
Meaford.....	3,781	1,620	4,040	87,048	8,201,572	1,375	497	1.06
Merlin.....	639	270	511	12,265	1,044,342	200	435	1.17
Merrickville.....	893	367	781	23,982	1,894,029	342	462	1.27
Midland.....	9,815	3,163	11,929	191,932	20,956,280	2,940	594	0.92
Mildmay.....	915	336	651	24,633	2,014,846	299	562	1.22
Millbrook.....	931	340	795	29,939	2,122,134	323	548	1.41
Milton.....	6,407	1,886	7,157	161,472	13,938,569	1,681	691	1.16
Milverton.....	1,099	501	1,238	33,253	2,724,268	431	527	1.22
Mimico.....	18,700	7,169	11,238	334,244	35,549,819	6,810	435	0.94
Mitchell.....	2,414	987	2,933	69,610	5,533,940	895	515	1.26
Moorefield.....	319	145	452	8,503	741,060	132	468	1.15
Morrisburg.....	1,978	752	1,936	54,868	4,872,564	669	607	1.13
Mount Brydges.....	1,109	402	608	22,211	1,480,218	371	332	1.50
Mount Forest.....	2,802	1,170	3,058	82,155	7,710,130	1,061	606	1.07
Napanee.....	4,591	1,795	4,523	103,618	10,150,809	1,623	521	1.02
Nepean Twp.....	45,793	12,904	47,484	1,433,722	112,468,292	12,091	775	1.27
Neustadt.....	575	221	654	12,366	1,196,140	202	493	1.03
Newboro.....	271	166	177	9,695	565,953	155	304	1.71
Newburgh.....	559	195	409	14,429	1,049,245	168	520	1.38
Newbury.....	352	145	226	6,733	530,280	133	332	1.27
Newcastle.....	1,506	586	1,524	43,932	3,836,086	528	605	1.15
New Hamburg.....	2,430	825	2,311	65,558	6,058,434	749	674	1.08
†New Liskeard.....	5,023	1,776	5,436	140,032	9,373,145	1,463	534	1.49
Newmarket.....	8,814	2,976	10,575	215,554	19,557,804	2,674	610	1.10
New Toronto.....	12,099	4,177	34,389	245,950	23,568,351	3,838	512	1.04
Niagara.....	2,936	1,213	2,310	82,614	6,933,974	1,121	515	1.19
Niagara Falls.....	54,340	17,264	48,275	1,064,999	94,052,013	16,092	487	1.13
Nipigon Twp.....	2,666	790	2,242	54,751	5,296,162	699	631	1.03
North Bay.....	22,662	8,136	20,706	518,901	45,806,455	6,749	566	1.13
North York Twp.....	390,456	116,978	371,854	9,444,525	822,907,229	108,729	631	1.15
Norwich.....	1,672	683	1,149	41,027	3,426,300	572	499	1.20
Norwood.....	1,092	425	953	28,019	2,693,559	388	579	1.04
Oakville.....	52,560	14,979	98,401	1,500,949	125,856,354	13,876	756	1.19
Oil Springs.....	523	249	433	9,254	716,570	198	302	1.29

†Retail service provided by The Hydro Electric Power Commission of Ontario.

§Estimated.

## AND CONSUMPTION

December 31, 1966

COMMERCIAL SERVICE (including flat-rate water-heaters)					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh ▲
\$	kwh		kwh	¢	\$	kwh		kw	kwh	¢
10,331	539,505	24	1,873	1.91	938	133,820	1	15	11,152	0.70
5,609	353,677	41	719	1.59						
19,140	1,155,937	63	1,529	1.66	10,429	451,600	2	275	18,817	2.31
56,412	2,851,875	130	1,828	1.98	26,877	2,166,000	3	393	60,167	1.24
16,144	955,625	32	2,489	1.69	5,759	175,710	3	190	4,881	3.28
10,743	617,388	44	1,169	1.74	1,898	183,950	2	50	7,665	1.03
41,233	2,920,952	209	1,165	1.41	65,837	6,790,428	36	1,799	15,719	0.97
11,831	773,895	64	1,008	1.53	6,475	255,635	6	175	3,550	2.53
4,512	296,109	16	1,542	1.52	8,836	610,380	9	322	5,652	1.45
72,505	6,535,436	146	3,730	1.11	226,022	29,569,492	77	8,786	32,002	0.76
8,520	475,529	29	1,366	1.79	5,233	293,949	8	164	3,062	1.78
6,029	265,569	17	1,302	2.27						
86,899	6,726,434	182	3,080	1.29	101,963	9,966,237	23	2,618	36,110	1.02
19,263	1,120,108	51	1,830	1.72	13,289	787,898	19	453	3,456	1.69
141,597	12,737,881	323	3,286	1.11	63,126	5,902,104	36	2,340	13,662	1.07
25,227	1,628,359	70	1,939	1.55	64,594	5,279,941	22	1,703	20,000	1.22
2,397	136,920	11	1,037	1.75	8,910	727,200	2	206	30,300	1.23
26,831	1,948,382	74	2,194	1.38	15,071	1,064,350	9	438	9,855	1.42
6,573	388,270	25	1,294	1.69	7,557	465,210	6	212	6,461	1.62
32,452	2,392,450	78	2,556	1.36	16,338	997,890	31	585	2,683	1.64
60,955	4,718,972	132	2,979	1.29	52,696	5,294,422	40	1,798	11,030	1.00
703,043	59,797,722	760	6,557	1.18	183,517	19,847,075	53	4,378	31,206	0.92
1,531	81,970	16	427	1.87	6,357	431,550	3	236	11,988	1.47
1,598	76,580	10	638	2.09	315	18,200	1	8	1,517	1.73
5,494	241,268	23	874	2.28	3,079	135,100	4	129	2,815	2.28
2,029	135,610	10	1,130	1.50	173	6,420	2	10	268	2.69
14,231	938,610	46	1,700	1.52	13,015	1,196,897	12	352	8,312	1.09
21,141	1,372,004	55	2,079	1.54	29,754	2,147,814	21	865	8,523	1.39
133,753	7,770,190	289	2,241	1.72	72,348	6,162,392	24	1,516	21,397	1.17
180,692	14,258,873	268	4,434	1.27	97,964	9,973,336	34	2,696	24,444	0.98
181,371	15,047,950	299	4,194	1.21	1,131,170	163,983,496	40	30,214	341,632	0.69
27,232	1,725,327	72	1,997	1.58	19,108	1,139,114	20	508	4,746	1.68
979,319	85,637,598	1,076	6,632	1.14	447,979	48,957,217	96	13,392	42,498	0.92
41,360	3,209,844	87	3,075	1.29	22,761	3,033,318	4	534	63,194	0.75
435,904	32,195,406	1,242	2,160	1.35	159,998	15,150,018	145	4,542	8,707	1.06
6,547,109	533,711,552	7,135	6,233	1.23	3,130,250	314,630,219	1,114	89,350	23,536	0.99
16,292	888,266	99	748	1.83	4,777	373,173	12	132	2,591	1.28
7,672	515,527	33	1,302	1.49	3,723	154,240	4	155	3,213	2.41
625,279	47,836,305	924	4,314	1.31	2,841,190	408,910,917	179	63,482	190,368	0.69
2,614	141,515	18	655	1.85	11,239	1,136,530	33	265	2,870	0.99

▲See Introduction page 213.

**CUSTOMERS, REVENUE,  
for the Year Ended**

	Popu- lation	Total Customers	Peak Load Decem- ber 1966	RESIDENTIAL SERVICE (including flat-rate water-heaters)				
				Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Ave- rage Cost per Kwh
			kw	\$	kwh		kwh	¢
Omemeë.....	808	311	695	21,682	1,593,359	286	464	1.36
Orangeville.....	5,647	2,121	5,800	157,601	13,546,840	1,929	585	1.16
Orillia.....	14,902	5,579	<b>21,600</b>	313,124	32,339,510	4,796	562	0.97
Orono.....	1,000	393	978	32,370	2,591,383	368	587	1.25
Oshawa.....	77,126	24,845	113,678	1,783,092	196,686,188	23,214	706	0.91
Ottawa (including Eastview and Rockcliffe Park.....	315,325	99,530	<b>338,597</b>	5,583,408	713,929,546	87,806	678	0.78
Otterville.....	769	283	541	18,996	1,546,673	249	518	1.23
Owen Sound.....	18,074	6,235	17,518	439,695	44,208,317	5,796	636	0.99
Paisley.....	689	334	727	19,558	1,670,800	259	538	1.17
Palmerston.....	1,671	675	1,686	45,967	3,908,144	603	540	1.18
Paris.....	6,245	2,184	5,192	134,991	10,488,580	1,898	461	1.29
Parkhill.....	1,084	509	1,212	34,188	2,747,553	449	510	1.24
Parry Sound.....	5,868	2,167	<b>6,000</b>	175,269	14,835,242	1,944	636	1.18
Penetanguishene.....	5,055	1,447	4,432	89,501	9,901,208	1,324	623	0.90
Perth.....	5,521	2,137	6,235	136,129	11,994,935	1,964	509	1.13
Peterborough.....	54,064	17,412	60,689	1,439,324	132,468,480	16,306	677	1.09
Petrolia.....	3,667	1,427	3,046	76,307	5,600,886	1,205	387	1.36
Pickering.....	1,908	565	1,518	53,478	4,052,640	527	641	1.32
†Pickle Lake Landing Townsite	\$300	125	333	8,372	578,785	86	561	1.45
Picton.....	4,835	1,942	5,378	121,412	11,639,335	1,596	608	1.04
Plantagenet.....	860	243	763	26,597	1,755,199	221	662	1.52
Plattsville.....	524	212	1,023	18,061	1,493,017	202	616	1.21
Point Edward.....	2,833	898	7,081	47,405	3,573,695	791	376	1.33
Port Arthur.....	46,391	14,624	<b>59,400</b>	1,004,585	94,391,535	12,997	605	1.06
Port Burwell.....	669	458	331	24,840	1,044,763	428	203	2.38
†Port Carling.....	x548	587	564	45,369	2,453,042	513	398	1.85
Port Colborne.....	17,831	5,528	14,576	274,811	21,593,339	4,901	367	1.27
Port Credit.....	7,892	2,756	17,116	181,917	17,425,377	2,567	566	1.04
Port Dover.....	3,213	1,533	2,967	77,364	5,530,317	1,410	327	1.40
Port Elgin.....	2,050	1,208	2,453	90,755	7,188,087	1,086	552	1.26
Port Hope.....	8,612	2,982	10,287	221,765	20,297,157	2,789	606	1.09
Port McNicoll.....	1,212	583	1,902	31,351	2,855,090	573	415	1.10
Port Perry.....	2,623	1,007	2,743	80,211	7,408,213	944	654	1.08
Port Rowan.....	791	353	424	16,639	1,195,540	307	325	1.39
Port Stanley.....	x1,419	1,169	1,298	64,870	4,282,182	1,114	320	1.51
†Powassan.....	1,080	399	978	33,824	2,492,069	319	651	1.36
Prescott.....	5,390	1,897	5,260	107,341	11,175,124	1,763	528	0.96
Preston.....	13,446	4,079	14,190	279,612	24,818,522	3,792	545	1.13
Priceville.....	152	76	78	4,171	226,690	69	274	1.84
Princeton.....	431	179	289	11,422	1,057,895	138	639	1.08

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

§Estimated.

xExcluding summer population.



## AND CONSUMPTION

December 31, 1966

COMMERCIAL SERVICE (including flat-rate water-heaters)					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh ▲
\$	kwh		kwh	¢	\$	kwh		kw	kwh	¢
6,236	275,704	21	1,094	2.26	6,252	437,764	4	129	9,120	1.43
53,778	3,737,160	145	2,148	1.44	70,611	6,510,559	47	2,446	11,544	1.08
206,250	16,505,787	646	2,129	1.25	368,636	41,191,104	137	14,048	25,055	0.89
9,157	593,769	19	2,604	1.54	7,976	603,060	6	201	8,376	1.32
890,385	80,961,634	1,310	5,150	1.10	2,354,106	293,526,710	321	62,684	76,201	0.80
8,925,556	774,827,843	11,560	5,586	1.15	532,677	52,648,581	164	15,834	26,752	1.01
6,053	337,885	30	939	1.79	733	18,760	4	35	391	3.90
171,857	13,917,610	306	3,790	1.23	196,267	21,015,424	133	7,143	13,168	0.93
10,893	641,953	67	798	1.70	2,912	204,920	8	80	2,135	1.42
24,251	1,589,202	56	2,365	1.53	11,794	874,725	16	443	4,556	1.35
60,750	4,304,809	240	1,495	1.41	86,356	9,383,299	46	3,291	16,999	0.92
17,252	985,373	46	1,785	1.75	20,127	1,220,593	14	549	7,265	1.65
88,866	6,027,386	192	2,616	1.47	46,051	3,966,319	31	1,233	10,662	1.16
34,796	3,020,864	101	2,492	1.15	37,404	4,637,228	22	1,296	17,565	0.81
66,880	5,391,685	139	3,232	1.24	81,303	8,086,993	34	2,809	19,821	1.01
599,225	50,014,478	824	5,058	1.20	901,673	119,047,248	282	28,485	35,179	0.76
57,979	3,263,228	188	1,446	1.78	63,050	3,149,702	34	1,527	7,720	2.00
13,957	1,193,868	34	2,926	1.17	6,205	564,360	4	203	11,758	1.10
10,060	604,024	38	1,325	1.67	1,675	167,664	1	25	13,972	1.00
83,840	6,314,427	312	1,687	1.33	38,471	3,949,753	34	1,239	9,681	0.97
10,257	534,417	20	2,227	1.92	10,951	610,530	2	245	25,439	1.79
2,929	139,750	6	1,941	2.10	25,509	2,181,225	4	557	45,442	1.17
59,016	4,391,860	89	4,112	1.34	214,141	24,289,835	18	6,100	112,453	0.88
729,589	64,596,042	1,570	3,429	1.13	947,081	108,163,794	57	31,315	158,134	0.88
6,125	331,554	27	1,023	1.85	371	7,890	3	22	219	.....
22,104	1,227,226	68	1,504	1.80	1,201	92,190	6	36	1,280	1.30
181,154	10,688,889	512	1,740	1.69	424,273	55,277,652	115	11,031	40,056	0.77
145,523	11,570,647	178	5,417	1.26	525,981	79,175,270	11	11,884	599,813	0.66
38,698	2,449,991	84	2,431	1.58	58,556	5,119,479	39	1,729	10,939	1.14
36,620	2,227,755	106	1,751	1.64	18,376	1,281,368	16	455	6,674	1.43
71,714	5,196,517	147	2,946	1.38	195,901	21,350,580	46	5,689	38,679	0.92
3,410	233,370	8	2,431	1.46	26,404	1,624,450	2	894	67,685	1.63
26,893	1,916,361	54	2,957	1.40	4,872	284,740	9	185	2,636	1.71
7,565	405,316	42	804	1.87	1,386	61,375	4	41	1,279	2.26
10,993	619,403	39	1,324	1.77	8,259	379,240	16	345	1,975	2.18
18,719	1,193,747	76	1,309	1.57	881	32,229	4	24	671	2.73
55,446	4,162,476	114	3,043	1.33	59,570	5,974,862	20	1,846	24,895	1.00
79,595	5,445,258	159	2,854	1.46	323,433	30,968,169	128	10,423	20,162	1.04
775	24,820	7	295	3.12	.....	.....	.....	.....	.....	.....
7,091	432,871	38	949	1.64	1,958	70,295	3	77	1,953	2.79

▲See Introduction page 213.

# CUSTOMERS, REVENUE, for the Year Ended

	Popula- tion	Total Customers	Peak Load Decem- ber 1966	RESIDENTIAL SERVICE (including flat-rate water-heaters)				
				Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Av- erage Cost per Kwh
			kw	\$	kwh		kwh	¢
Queenston.....	567	184	503	15,024	1,579,206	179	735	0.95
Rainy River.....	1,127	425	980	36,691	2,401,170	391	512	1.53
†Red Lake Twp.....	2,523	1,250	2,654	95,126	5,982,050	981	508	1.59
Red Rock.....	1,904	367	1,186	25,681	2,543,517	342	620	1.01
Renfrew.....	8,989	2,951	8,975	190,834	19,544,203	2,683	607	0.98
Richmond.....	1,309	402	1,373	33,137	3,255,860	384	707	1.02
Richmond Hill.....	19,175	5,411	17,424	441,932	38,262,343	5,067	629	1.16
Ridgetown.....	2,721	1,126	2,477	52,256	3,750,409	934	335	1.39
Ripley.....	412	219	543	14,272	1,266,480	196	538	1.13
Rockland.....	3,424	891	2,082	68,297	5,811,003	840	576	1.18
Rockwood.....	862	315	681	25,468	2,046,746	300	569	1.24
Rodney.....	1,084	448	855	24,545	1,703,530	408	348	1.44
Rosseau.....	219	128	148	7,667	471,200	118	333	1.63
Russell.....	583	214	539	16,127	1,517,095	194	652	1.06
St. Catharines.....	95,303	29,291	129,800	1,910,109	159,280,439	26,318	504	1.20
St. Clair Beach.....	1,734	499	1,105	44,482	3,259,774	485	560	1.36
St. George.....	858	311	718	16,789	1,690,280	284	496	0.99
St. Jacobs.....	859	284	667	20,550	1,801,835	231	650	1.14
St. Mary's.....	4,686	1,758	14,955	126,624	10,943,716	1,617	564	1.16
St. Thomas.....	22,766	8,388	24,275	577,752	46,748,597	7,855	496	1.24
Sandwich West Twp.....	8,213	2,199	4,592	201,292	15,092,108	2,061	610	1.33
Sarnia.....	53,260	16,234	50,778	1,140,299	81,418,382	15,196	446	1.40
Scarborough Twp.....	265,567	78,582	248,388	6,310,772	547,662,293	74,148	616	1.15
Schreiber Twp.....	2,225	680	1,906	52,371	5,596,674	623	749	0.94
Seaforth.....	2,192	921	2,243	53,684	4,754,120	819	484	1.13
Shelburne.....	1,328	618	1,457	38,841	3,441,470	557	515	1.13
Simcoe.....	9,941	3,764	12,222	175,806	18,468,074	3,390	454	0.95
Sioux Lookout.....	2,666	939	2,298	85,606	7,062,056	799	737	1.21
Smith's Falls.....	9,892	3,555	11,290	262,345	22,713,923	3,296	574	1.15
Smithville.....	\$900	399	846	19,179	1,452,196	299	405	1.32
Southampton.....	1,703	1,291	1,638	60,589	4,903,810	1,149	356	1.24
†South Porcupine Townsite...	\$6,100	2,064	3,493	126,163	8,870,404	1,784	414	1.42
South River.....	958	336	687	27,653	1,675,756	311	449	1.65
Springfield.....	490	181	281	11,036	890,470	169	439	1.24
Stayner.....	1,672	709	1,738	44,442	3,979,000	636	521	1.12
Stirling.....	1,287	559	1,448	37,444	3,490,624	492	591	1.07
Stoney Creek.....	7,397	2,127	5,080	205,733	17,458,028	1,986	733	1.18
Stouffville.....	3,701	1,272	3,734	111,529	9,196,748	1,154	664	1.21
Stratford.....	22,791	7,657	28,655	577,714	48,587,432	6,866	590	1.19
Strathroy.....	5,646	2,014	5,889	140,357	11,955,346	1,818	548	1.17

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

§Estimated.

\*General rate in effect—statistics for Commercial and Industrial Power Service combined.

## AND CONSUMPTION

December 31, 1966

COMMERCIAL SERVICE (including flat-rate water-heaters)					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Ave- rage Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers Monthly Loads Billed	Monthly Consumption per Customer	Ave- rage Cost per Kwh ▲
\$	kwh		kwh	¢	\$	kwh		kw	kwh	¢
5,092	415,552	5	6,926	1.23						
12,712	774,296	31	2,081	1.64	2,242	188,070	3	57	5,224	1.19
78,151	5,214,234	260	1,671	1.50	8,896	319,230	9	249	2,956	2.79
14,321	1,477,130	24	5,129	0.97	1,646	200,000	1	56	16,667	0.82
81,245	6,748,643	205	2,743	1.20	108,060	11,497,911	63	3,819	15,209	0.94
20,478	1,507,724	18	6,980	1.36						
168,505	13,206,493	247	4,456	1.28	206,310	19,478,611	97	6,131	16,734	1.06
32,664	1,919,700	163	981	1.70	52,344	3,681,727	29	1,479	10,580	1.42
5,120	294,020	17	1,441	1.74	4,304	245,325	6	136	3,407	1.75
16,668	1,074,310	46	1,946	1.55	4,130	349,590	5	118	5,827	1.18
3,960	257,490	14	1,533	1.54	182	28,350	1	3	2,363	0.64
12,564	845,895	32	2,203	1.49	10,229	527,600	8	316	5,496	1.94
2,271	122,410	10	1,020	1.86						
4,189	294,868	17	1,445	1.42	751	64,500	3	25	1,792	1.16
1,153,831	86,469,996	2,697	2,672	1.33	3,098,316	406,268,836	276	81,993	122,666	0.76
4,202	242,362	9	2,244	1.73	7,724	550,120	5	212	9,169	1.40
7,455	565,025	22	2,140	1.32	9,481	693,610	5	277	11,560	1.37
12,789	831,573	44	1,575	1.54	9,434	443,875	9	355	4,110	2.13
34,973	2,405,474	94	2,133	1.45	551,155	85,910,891	47	13,122	152,324	0.64
216,334	16,250,216	405	3,344	1.33	503,563	55,911,901	128	13,990	36,401	0.90
29,650	1,889,004	73	2,156	1.57	10,193	516,591	65	319	662	1.97
727,347	48,191,702	894	4,492	1.51	936,503	123,828,680	144	27,426	71,660	0.76
3,144,332	260,467,702	3,798	5,715	1.21	2,725,952	284,732,018	636	74,925	37,308	0.96
28,851	2,302,026	56	3,426	1.25	3,644	375,600	1	104	31,300	0.97
31,830	2,310,199	79	2,437	1.38	24,411	1,750,134	23	836	6,341	1.39
18,177	1,397,420	47	2,478	1.30	7,905	417,520	14	324	2,485	1.89
144,626	11,964,432	307	3,248	1.21	228,628	27,923,517	67	6,918	34,731	0.82
51,880	2,921,865	132	1,845	1.78	13,241	1,247,593	8	270	12,996	1.06
141,375	11,963,206	232	4,297	1.18	117,641	13,988,085	27	3,453	43,173	0.84
15,412	796,387	86	772	1.94	14,693	849,953	14	449	5,059	1.73
25,824	1,441,500	124	969	1.79	22,992	1,691,150	18	646	7,829	1.36
61,235	3,688,107	273	1,126	1.66	3,242	217,306	7	100	2,587	1.49
9,285	490,282	21	1,946	1.89	5,404	334,805	4	100	6,975	1.61
2,116	157,840	8	1,644	1.34	1,800	55,765	4	87	1,162	3.22
14,272	960,675	51	1,570	1.49	15,666	1,596,095	22	465	6,046	0.98
15,203	1,007,513	54	1,555	1.51	10,220	843,910	13	362	5,410	1.21
66,230	4,730,464	110	3,584	1.40	13,886	1,043,264	31	453	2,804	1.33
47,424	3,131,920	103	2,534	1.51	16,340	881,471	15	547	4,897	1.85
*845,734	*80,662,968	*791	*8,498	*1.05	*	*	*	*	*	*
67,121	4,513,939	142	2,649	1.49	120,325	10,456,590	54	3,419	16,137	1.15

▲See Introduction page 213.

# CUSTOMERS, REVENUE, for the Year Ended

	Popu- lation	Total Customers	Peak Load Decem- ber 1966	RESIDENTIAL SERVICE (including flat-rate water-heaters)				
				Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Ave- rage Cost per Kwh
			kw	\$	kwh		kwh	¢
Streetsville.....	5,867	1,568	5,239	117,577	9,610,132	1,365	587	1.22
Sturgeon Falls.....	6,289	1,737	4,659	140,034	10,988,850	1,610	569	1.27
Sudbury.....	82,339	25,538	60,929	1,817,668	176,869,733	22,908	643	1.03
Sunderland.....	622	277	576	16,528	1,616,020	252	534	1.02
Sundridge.....	786	339	872	22,695	1,974,917	304	541	1.15
Sutton.....	x1,454	935	1,748	62,199	4,641,899	840	461	1.34
Swansea.....	9,409	3,613	7,735	263,532	24,882,442	3,449	601	1.06
Tara.....	525	273	931	16,643	1,583,760	246	537	1.05
Tavistock.....	1,261	535	1,326	40,545	3,638,391	496	611	1.11
Tecumseh.....	4,730	1,416	2,691	95,692	6,326,127	1,343	393	1.51
Teeswater.....	909	393	1,247	23,459	2,195,860	350	523	1.07
Terrace Bay Twp.....	1,877	462	1,770	46,940	5,507,604	411	1,117	0.85
Thamesford.....	1,395	448	1,459	41,842	3,454,442	414	695	1.21
Thamesville.....	1,013	440	1,100	22,640	1,850,830	392	393	1.22
Thedford.....	685	307	730	21,097	1,785,577	276	539	1.18
Thessalon.....	1,651	526	1,224	44,920	3,063,191	479	533	1.47
Thornbury.....	1,204	586	1,467	32,332	2,559,130	484	441	1.26
Thornedale.....	405	139	284	11,730	911,820	131	580	1.29
†Thornloe.....	153	33	60	3,100	224,669	26	720	1.38
Thornton.....	316	108	201	7,688	637,660	97	548	1.21
Thorold.....	8,820	2,562	7,421	195,069	12,430,214	2,297	451	1.57
Tilbury.....	3,370	1,115	2,689	55,115	4,032,280	1,010	333	1.37
Tillsonburg.....	6,587	2,673	8,315	154,736	12,878,839	2,335	460	1.20
†Timmins (including Schumacher).....	\$33,000	10,062	20,185	677,838	49,060,660	8,751	467	1.38
Toronto (including Leaside).....	667,280	217,365	751,434	12,470,067	981,656,661	185,272	442	1.27
Toronto Twp.....	93,462	27,019	133,933	2,547,189	216,876,736	25,711	703	1.17
Tottenham.....	783	283	569	18,888	1,785,770	255	584	1.06
Trenton.....	13,807	4,673	18,746	272,209	29,178,066	4,286	567	0.93
Tweed.....	1,657	680	1,866	43,051	4,381,386	598	611	0.98
Uxbridge.....	2,597	963	3,530	65,483	6,539,815	873	624	1.00
Vankleek Hill.....	1,691	578	1,224	30,685	2,807,426	523	447	1.09
Victoria Harbour.....	1,031	535	779	27,778	2,098,890	521	336	1.32
Walkerton.....	4,152	1,498	5,403	105,405	10,081,158	1,365	615	1.05
Wallaceburg.....	10,746	3,625	16,230	147,425	13,146,414	3,185	344	1.12
Wardsville.....	308	157	286	6,855	577,660	122	395	1.19
Warkworth.....	522	246	415	15,650	1,164,623	230	422	1.34
Wasaga Beach.....	x1,021	981	542	35,280	1,833,770	781	196	1.92
Waterdown.....	1,998	621	1,780	50,024	4,422,650	545	676	1.13
Waterford.....	2,460	885	1,990	57,746	3,999,301	834	400	1.44
Waterloo.....	29,770	8,292	35,249	675,939	62,295,164	7,385	703	1.09

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

§Estimated.

xExcluding summer population.



## AND CONSUMPTION

December 31, 1966

COMMERCIAL SERVICE (including flat-rate water-heaters)					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh ▲
\$	kwh		kwh	¢	\$	kwh		kw	kwh	¢
68,002	4,716,040	179	2,196	1.44	61,252	6,310,766	24	1,669	21,912	0.97
72,458	4,908,949	109	3,753	1.48	8,987	850,716	18	231	3,939	1.06
1,043,875	80,637,979	2,329	2,885	1.29	255,895	20,103,278	301	7,963	5,566	1.27
5,918	377,471	20	1,573	1.57	4,241	290,907	5	142	4,848	1.46
13,116	899,387	30	2,498	1.46	2,453	119,590	5	85	1,993	2.05
36,364	2,374,044	89	2,223	1.53	6,360	389,655	6	165	5,412	1.63
102,519	7,607,729	146	4,342	1.35	107,325	12,662,331	18	2,691	58,622	0.85
6,693	478,830	19	2,100	1.40	11,897	1,427,640	8	266	14,871	0.83
9,304	679,178	26	2,177	1.37	14,259	849,880	13	446	5,448	1.68
26,890	1,627,510	57	2,379	1.65	37,725	3,527,248	16	975	18,371	1.07
9,284	640,525	33	1,617	1.45	20,586	1,668,650	10	607	13,905	1.23
29,693	2,442,992	49	4,155	1.22	5,826	666,000	2	149	27,750	0.87
7,879	532,000	28	1,583	1.48	19,012	1,717,880	6	423	23,859	1.11
9,900	705,478	31	1,896	1.40	22,522	1,165,270	17	816	5,712	1.93
5,778	339,086	23	1,229	1.70	6,038	426,085	8	177	4,438	1.42
22,425	1,293,863	40	2,696	1.73	7,861	505,280	7	170	6,015	1.56
16,143	1,072,865	85	1,052	1.50	33,415	2,190,185	17	1,097	10,736	1.53
1,031	69,300	5	1,155	1.49	2,257	89,700	3	87	2,492	2.52
1,432	89,128	7	1,061	1.61						
1,482	63,170	11	479	2.35						
81,476	4,590,718	225	1,700	1.77	423,187	57,933,527	40	10,096	120,695	0.73
40,149	2,697,770	84	2,676	1.49	50,242	2,957,150	21	1,717	11,735	1.70
148,465	10,823,182	289	3,121	1.37	122,549	11,360,368	49	3,423	19,320	1.08
429,712	27,441,980	1,280	1,787	1.57	27,854	1,363,633	31	823	3,666	2.04
10,122,129	732,322,245	24,694	2,471	1.38	21,551,906	2,374,460,079	7,399	530,756	26,743	0.91
1,091,441	84,987,057	965	7,339	1.28	2,928,083	340,913,788	343	68,766	82,826	0.86
4,315	243,360	21	986	1.73	2,135	158,710	7	70	1,889	1.35
157,095	13,452,632	349	3,212	1.17	427,123	60,871,987	38	11,944	133,491	0.70
22,628	1,834,400	66	2,316	1.23	16,476	1,156,868	16	625	6,025	1.42
35,892	2,581,123	66	3,259	1.39	39,494	3,178,132	24	1,243	11,035	1.24
14,250	1,167,764	48	2,027	1.22	4,440	200,150	7	212	2,383	2.22
8,635	507,670	11	3,846	1.70	927	53,900	3	27	1,497	1.72
53,450	4,020,607	111	3,018	1.33	69,381	7,385,007	22	2,006	27,974	0.94
102,046	8,327,099	329	2,109	1.23	454,252	56,262,620	111	13,827	42,239	0.81
5,153	256,940	35	612	2.01						
3,777	235,364	16	1,226	1.60						
34,360	1,641,170	199	687	2.09	246	6,800	1	8	567	3.62
25,770	1,811,600	57	2,649	1.42	5,680	357,095	19	202	1,566	1.59
22,915	1,419,310	35	3,379	1.61	30,644	1,862,670	16	869	9,701	1.65
525,428	40,967,751	811	4,210	1.28	595,742	62,112,890	96	14,076	53,917	0.96

▲See Introduction page 213.

# CUSTOMERS, REVENUE, for the Year Ended

	Popula- tion	Total Customers	Peak Load Decem- ber 1966	RESIDENTIAL SERVICE (including flat-rate water-heaters)				
				Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Av- erage Cost per Kwh
			kw	\$	kwh		kwh	¢
Watford.....	1,252	554	1,915	34,955	3,143,400	496	528	1.11
Waubashene.....	\$1,500	475	489	19,304	1,360,320	454	250	1.42
Webbwood.....	550	148	247	13,858	750,835	136	460	1.85
Welland.....	39,014	11,659	37,310	657,252	47,131,115	10,933	359	1.39
Wellesley.....	719	313	668	21,800	1,711,710	291	490	1.27
Wellington.....	970	471	754	28,647	2,265,121	440	429	1.26
West Ferris Twp.....	6,567	2,242	6,765	190,741	14,459,489	2,088	577	1.32
West Lorne.....	1,028	458	1,462	25,100	1,952,966	413	394	1.29
Weston.....	10,914	3,944	13,669	276,072	24,672,222	3,564	577	1.12
Westport.....	619	303	586	17,093	1,579,310	272	484	1.08
Wheatley.....	1,478	560	1,096	29,352	2,140,088	457	390	1.37
Whitby.....	15,061	4,365	17,849	333,014	31,654,617	3,981	663	1.05
†White River.....	920	369	961	42,149	1,786,426	288	517	2.36
Warton.....	1,933	826	1,873	55,546	4,844,808	740	546	1.15
Widdifield Twp.....	12,856	3,770	12,441	329,217	23,347,597	3,563	546	1.41
Williamsburg.....	322	145	370	8,005	726,420	124	488	1.10
Winchester.....	1,434	579	2,017	41,026	3,859,724	525	613	1.06
Windermere.....	x111	142	175	7,564	495,302	131	315	1.53
Windsor.....	187,418	59,263	175,780	3,340,774	262,924,431	52,987	414	1.27
Wingham.....	2,915	1,172	<b>3,543</b>	79,515	8,488,800	1,050	674	0.94
Woodbridge.....	2,344	798	2,703	64,505	6,288,384	735	713	1.03
Woodstock.....	23,828	7,977	30,778	629,797	55,952,484	7,329	636	1.13
Woodville.....	438	200	285	11,143	934,270	180	433	1.19
Wyoming.....	971	401	959	17,775	1,559,902	357	364	1.14
York Twp.....	127,460	41,630	85,564	2,331,746	226,770,649	39,599	477	1.03
Zurich.....	727	317	624	22,071	1,673,880	255	547	1.32

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

§Estimated.

xExcluding summer population.

\*General rate in effect—statistics for Commercial and Industrial Power Service combined.

## AND CONSUMPTION

December 31, 1966

COMMERCIAL SERVICE (including flat-rate water-heaters)					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Av- erage Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Av- erage Cost per Kwh ▲
\$	kwh		kwh	¢	\$	kwh		kw	kwh	¢
17,070	1,045,746	45	1,937	1.63	46,690	4,246,451	13	1,295	27,221	1.10
5,461	311,720	18	1,443	1.75	1,060	62,500	3	36	1,736	1.70
3,139	126,348	11	957	2.48	457	45,620	1	9	3,802	1.00
423,022	31,250,569	632	4,121	1.35	899,490	99,023,756	94	25,398	87,787	0.91
4,614	293,146	19	1,286	1.57	2,259	107,710	3	76	2,992	2.10
6,111	329,878	18	1,527	1.85	9,071	560,334	13	242	3,592	1.62
95,411	6,790,054	139	4,071	1.41	61,253	7,508,063	15	1,423	41,711	0.82
10,413	581,808	33	1,469	1.78	43,235	3,328,670	12	1,096	23,116	1.30
286,576	24,135,869	339	5,933	1.19	203,086	20,329,580	41	5,373	41,320	1.00
10,268	741,810	29	2,132	1.38	318	7,955	2	21	331	4.00
20,219	995,745	87	954	2.03	18,296	908,715	16	522	4,733	2.01
154,304	11,779,265	341	2,878	1.31	346,987	44,744,486	43	9,786	86,714	0.78
40,839	1,960,168	80	2,042	2.08	5,866	361,210	1	64	30,101	1.62
25,961	1,804,656	68	2,212	1.44	12,633	970,566	18	379	4,493	1.30
167,046	12,474,156	178	5,840	1.34	183,325	16,876,069	29	5,116	48,494	1.09
6,570	439,681	20	1,832	1.49	251	19,880	1	6	1,657	1.26
19,943	1,671,004	46	3,027	1.19	24,281	2,927,201	8	687	30,492	0.83
4,381	276,548	11	2,095	1.58						
*5,277,649	*553,133,251	*6,276	*7,345	*0.95	*	*	*	*	*	*
38,649	2,969,475	88	2,812	1.30	51,745	4,835,966	34	1,583	11,853	1.07
21,192	1,526,086	51	2,494	1.39	39,797	4,248,309	12	1,058	29,502	0.94
262,188	18,963,454	499	3,167	1.38	605,543	64,979,920	149	16,999	36,342	0.93
3,453	200,829	17	984	1.72	1,360	50,380	3	50	1,399	2.70
9,863	681,420	36	1,577	1.45	4,973	288,270	8	205	3,003	1.73
1,194,310	102,414,382	1,859	4,591	1.17	880,537	104,973,092	172	25,402	50,859	0.84
11,428	511,636	57	748	2.23	2,536	152,260	5	59	2,538	1.67

## NOTE

December Peak Loads—When figure is shown in bold face type, local generation and/or local purchases have been included in addition to the load supplied by Ontario Hydro.

▲See Introduction page 213.

## LIST OF ABBREVIATIONS

A.M.E.U.—Association of Municipal Electrical Utilities	kw —kilowatt(s)
bhp —brake horsepower	kwh —kilowatt-hour(s)
cfs —cubic feet per second	M.E.U. —Municipal Electrical Utilities
C.L.C. —Canadian Labour Congress	min —minimum
ehv —extra-high-voltage	—minute (20-min)
G.S. —Generating Station	mw —megawatt
hp —horsepower	O.M.E.A.—Ontario Municipal Electric Association
Jct. —Junction	rpm —revolutions per minute
kv —kilovolt(s)	S.S. —Switching Station
kva —kilovolt-ampere(s)	T.S. —Transformer Station
kvar —kilovar(s)	Twp. —Township

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